LA-UR-06-8092
January 2007
EP2006-1008

Periodic Monitoring Report for Los Alamos Watershed Sampled July 24 through August 10, 2006

Los Alamos
NATIONAL LABORATORY
EST.1943

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

The purpose of this report is to provide the results of periodic monitoring conducted by Los Alamos National Laboratory (the Laboratory) in the Los Alamos Watershed. This periodic monitoring event for Los Alamos 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 July 24, 2006, and ended on August 10, 2006. Five base-flow stations, three springs, and 31 groundwater wells or well ports were sampled as part of this periodic monitoring event. The August 2006 flooding may have had a substantial impact on both the surface and groundwater quality as reported in this document.

Water samples were analyzed for target analyte list metals including cyanide and molybdenum, hexavalent chromium, volatile organic compounds, semivolatile organic compounds, pesticides, polychlorinated biphenyls, tritium, general inorganics, radionuclides, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, iron, pH, oxidation reduction potential, specific conductance, temperature, and turbidity).

The base flow analytical results indicate that one metal and three general inorganic compounds (including perchlorate) are present at concentrations above regulatory standards. No organic compounds or radioactivity analytes are present at concentrations above regulatory standards or screening levels. The groundwater analytical results indicate that the alluvial aquifer has five dissolved metals present at concentrations above New Mexico Groundwater or other standards, and six radioactivity analytes at concentrations above Department of Energy Derived Concentration Guides, Environmental Protection Agency Maximum Contaminant Levels or Secondary Maximum Contaminant Levels; the intermediate-perched aquifer has two perchlorate concentrations present above 4 µg/L but below the Environmental Protection Agency Drinking Water Equivalent Level of 24.5 µg/L; and the regional aquifer has four perchlorate concentrations present above 4 µg/L, but below the Drinking Water Equivalent Level.

CONTENTS

1.0 INTRODUCTION 1
1.1 Background 1
1.2 Conceptual Model 3
2.0 SCOPE OF ACTIVITIES 4
3.0 MONITORING RESULTS 5
3.1 Methods and Procedures 5
3.2 Field Parameter Results 5
3.3 Water-Level Observations 5
3.4 Deviations from Planned Scope 5
4.0 ANALYTICAL DATA RESULTS 5
4.1 Methods and Procedures 5
4.2 Analytical Data 5
4.2.1 Surface Water (Base Flow) 8
4.2.2 Groundwater 9
4.3 Sampling Program Modifications 11
5.0 INVESTIGATION-DERIVED WASTE 11
6.0 SUMMARY 11
6.1 Monitoring Results 11
6.2 Analytical Results 11
6.2.1 Surface Water (Base Flow) 11
6.2.2 Groundwater 11
6.3 Data Gaps 12
7.0 REFERENCES 12
Geospatial Data Sources 13

Figures

Example Modified Clock Diagram 7
Figure 2.0-1 Watershed map with monitored locations 15
Figure 3.3-1 Groundwater level measurements 17
Figure 4.2-1 Analytical results 19

Tables

Table 2.0-1 Monitoring Locations and General Information 21
Table 3.4-1 Observations and Deviations 24
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 25
Table 6.3-1 Data Gaps 26

Appendixes

Appendix A	Los Alamos Watershed Conceptual Model
Appendix B	Field Parameter Results (Including This Periodic Monitoring and Last Three Events)
Appendix C	Groundwater Level Measurements (Including This Periodic Monitoring and Last Three Events)
Appendix D	Analytical Results (Including This Periodic Monitoring and Last Three Events)
Appendix E	Screening Results
Appendix F	Investigation-Derived Waste Management
Appendix G	Analytical Reports

Acronyms

AOCs	areas of concern
BCGS	(DOE) biota concentration guidelines
bgs	below ground surface
DCGS	Derived Concentration Guidelines
DOE	(U.S.) Department of Energy
DWEL	(EPA) Drinking Water Equivalent Level
EPA	(U.S.) Environmental Protection Agency
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCLs	(EPA) maximum contaminant levels
MDL	method detection limit
NMED	New Mexico Environment Department
NMEIB	New Mexico Environmental Improvement Board
NMGS	New Mexico Groundwater Standards
NMWQCC	New Mexico Water Quality Control Commission
PMEs	periodic monitoring events
QC	quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
SMCLs	(EPA) secondary maximum contaminant levels

SWMUs	solid waste management units
TAs	technical areas
TDS	total dissolved solids
WWTP	(Los Alamos County) wastewater treatment plant

1.0 INTRODUCTION

This report provides documentation of groundwater and surface water monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Los Alamos 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 July 24, 2006, and ended on August 10, 2006, and included sampling at 31 groundwater wells, or well ports, five base-flow stations, and three springs.

Seven alluvial groundwater wells (or well ports), seven surface water or base-flow stations, and two springs were not sampled because of dry or no-flow conditions. The data from four locations (Basalt Spring, GU-0.01 Spring, and wells LLAO-1B and LLAO-4) 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); and
- conclusions drawn based on the data and the screening analysis.

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

1.1 Background

This section describes the physical characteristics of the Los Alamos Watershed, some of the investigatory activities conducted, and the potential impacts Laboratory activities have had on surface water and groundwater.

The Los Alamos Watershed encompasses approximately 57 square miles. It includes Los Alamos, Pueblo, Delta Prime (DP), and Acid Canyons. Bayo, Guaje, Rendija, and Barrancas Canyons (collectively known as the North Canyons) are smaller tributary canyons in the watershed. The watershed contains numerous springs, perennial and ephemeral stream segments, and alluvial groundwater. Portions of Los Alamos townsite, Los Alamos County, Santa Fe County, and San Ildefonso Pueblo tribal lands are located within the Los Alamos Watershed.

Laboratory operations have been associated with the release of treated and untreated effluent into the watershed since the establishment of the Laboratory in the 1940s. Runoff from solid waste management units (SWMUs) and areas of concern (AOCs) at former and current technical areas (TAs) 00, 01, 02, 03, 19, 21, 31, 41, 43, 53, 72, and 73 have contributed to contaminant releases within the watershed. Metals, perchlorate, nitrate, hydrocarbons, and radionuclides have been detected in groundwater within the watershed.

DP Canyon joins Los Alamos Canyon east of TA-21. TA-02, -41, and -43 are located within Los Alamos Canyon south of the Los Alamos townsite. TA-21 and -73, and former TA-01, are located on the mesa north of Los Alamos Canyon. TA-62, -61, -53, and -72 are located south of Los Alamos Canyon.

Pueblo Canyon is located on the north side of the Los Alamos townsite and extends from the Jemez Mountains to its confluence with Los Alamos Canyon approximately 4.5 mi east of the Los Alamos townsite at the intersection of State Highways 502 and 4. TA-72 and -73 and former TA-01 and -45 are located from west to east along the mesa south of Pueblo Canyon. Acid Canyon joins Pueblo Canyon from the south opposite former TA-45.

Documented discharges and releases into the watershed were primarily in the form of contaminated wastewater generated during research and manufacturing operations on the surrounding mesas in the vicinity of the Los Alamos townsite. In addition, discharges and releases of contaminants were documented in Los Alamos Canyon resulting from operations conducted at TA-02 and -41. Releases also originate from debris generated during TA-01 demolition activities and deposited on hillsides located above Los Alamos Canyon, opposite the townsite.

Laboratory operations that have affected Pueblo Canyon include the release of contaminants to Pueblo Canyon via Acid Canyon from former TA-01 and -45. Activities at TA-02, -21, -41, -53 and former TA-01 released contaminants into Los Alamos Canyon and its tributary side canyons (DP Canyon and the undesignated canyon located east of TA-53). Past Laboratory operations released both hazardous constituents and radionuclides.

Bayo, Guaje, Rendija, and Barrancas Canyons are located north of Laboratory land. The only active TA in these canyons is TA-74, a portion of which is located in Bayo and Barrancas Canyons. The 18 SWMUs and AOCs in these drainages are primarily related to mortar impact areas, firing ranges, and releases of treated effluent. Surface water flow in upper Guaje Canyon is perennial and extends for about 3 mi. In 1996, two shallow test holes were drilled approximately 3 mi east of the perennial flow between the Los Alamos and Guaje faults. Each borehole penetrated saturation from near ground surface to total depth (23 ft and 103 ft below ground surface [bgs], respectively). Regional aquifer water supply wells in Guaje Canyon were first installed in the early 1950s. In recent years, additional replacement wells have been drilled. The depths to water at these wells vary depending on their location. Depth to water in the lower portion of the canyon tends to be shallow (100–200 ft bgs), while water levels in the upper portion near the Rendija Canyon confluence have water table depths ranging from 400 to 500 ft bgs. Surface water flow in Rendija and Barrancas Canyons is ephemeral and normally flows only during the summer monsoon season.

The primary Laboratory activities in these canyons have involved water supply: Guaje Reservoir is no longer operable, so the Guaje well field (now operated by Los Alamos County) currently includes five water supply wells. The wells in this field also extend to lower Rendija Canyon.

Rendija Canyon contained a small-arms firing range and several sites used as mortar impact areas. Past Laboratory activities are described in more detail in the “RFI Work Plan for the North Canyons” (LANL 2001, 071060) and the “RFI Work Plan for OU 1071” (LANL 1992, 007667). TA-10 was used as a firing site for tests with explosive compounds and radioactive materials from 1943 to 1961. The site included a radiochemistry laboratory. While in operation, the TA-10 sites in Bayo Canyon were investigated for environmental impacts. The site was decontaminated and decommissioned in 1960. TA-10 was the site of an extensive Formerly Utilized Sites Remedial Action Program investigation in 1976 (Mayfield et al. 1979, 011717). In the mid-1990s the site was studied under the “RFI Work Plan for Operable Unit 1079” (LANL 1992, 007668). Resource Conservation and Recovery Act (RCRA) facility

investigation (RFI) activities included shrapnel removal and investigation, remediation, or deferred action for several SWMUs and AOCs. A second RFI work plan was written in 2001 (LANL 2001, 071060).

Only one sampling location, base flow at Guaje Canyon, will be sampled under the IFGMP. No groundwater or spring locations will be sampled in Guaje, Rendija, or Barrancas Canyon under the Interim Monitoring Plan.

A work plan for the investigation of Los Alamos Canyon and Pueblo Canyon was approved by NMED in 1997 (NMED 1997, 056362.1). An addendum to the Los Alamos Canyon and Pueblo Canyon investigation work plan (LANL 2002, 070235.1) was submitted to and approved by NMED in 2002 (NMED 2002, 073203.1). In accordance with the NMED approved investigation work plan and addendum, the Laboratory has conducted investigations of contamination in Los Alamos Canyon and Pueblo Canyon. In 2002, the Laboratory conducted an Interim Action in the South Fork of Acid Canyon, a tributary of Pueblo Canyon, in accordance with a plan approved by NMED in 2002 (LANL 2002, 070188.3; NMED 2002, 073288.1).

1.2 Conceptual Model

The information provided in this section is summarized from the IFGMP (LANL 2006, 094043). The conceptual model as provided in the IFGMP (LANL 2006, 094043) is reproduced in Table A-1 (Appendix A) of this document.

Perennial flow originates from springs and interflow through hillslope soils in the upper Los Alamos Watershed. The downcanyon extent of perennial flow is variable but generally terminates in the upper portions of Los Alamos Canyon west of TA- 41. The magnitude of snowmelt runoff is the predominant factor affecting the duration and extent of surface water flow. The remainder of upper Los Alamos Canyon down to its confluence with Pueblo Canyon has intermittent surface water flow. Segments that have persistent flow for most of the year or during periods of extended snowmelt runoff sometimes exhibit interrupted flow.

Surface water flow in upper Pueblo and Acid Canyons is generally ephemera,l with runoff events caused by summer storms and snowmelt. Locally persistent surface water flow in the upper canyon is associated with townsite runoff and snowmelt runoff.

In lower Pueblo Canyon, effluent-dependent flow is present for about 3 kilometers (km) from the Bayo wastewater treatment plant (WWTP) outfall to the confluence with Los Alamos Canyon.

Surface water flow in lower Los Alamos Canyon is primarily from Basalt Spring, with a lesser amount from LA Spring. The discharge rate from Basalt Spring and the downcanyon extent of surface water flow depend on the amount of water that is discharged from the WWTP. At times of high discharge, flow can be continuous for approximately 7.5 km to the confluence with the Rio Grande. During periods of low discharge, flow may only extend from 1 to 3 km. Within approximately 1 to 2 km of the confluence with the Rio Grande, surface water flow is common and believed to be related to discharge of deep groundwater to the surface (LANL 2004, 087390).

Discharge at DP Spring is highly variable, generally ranging from 0 to less than 1 gallons per minute (gal/min), and has been observed to respond rapidly to storm water runoff from upper DP Canyon. Surface water flow generally extends for less than 50 ft downcanyon from the point at which spring flow joins the stream channel. There are no known springs in Pueblo Canyon. LA Spring discharges along the south slope of the canyon approximately 300 m downstream of Basalt Spring and is most likely related to perched intermediate water observed beneath Los Alamos Canyon in R-9i.

Alluvial groundwater occurs in two distinct modes. Wells located upcanyon of the WWTP show groundwater-level variations closely tied to precipitation and associated flood events and to winter and spring snowmelt. The downcanyon extent of saturation and saturated thickness is seasonally variable but often extends downcanyon to the portion of the canyon where effluent from the Bayo WWTP is discharged into the canyon. Downcanyon of the WWTP, saturated conditions occur year-round. The variation in saturated thickness downcanyon of the WWTP is controlled primarily by seasonal routing of effluent for uses such as irrigation for the municipal golf course.

Alluvial groundwater levels in the upper portion of lower Los Alamos Canyon are highly variable and are related to seasonal variations in discharge rates from the WWTP and to floods from upper Los Alamos and Pueblo Canyons. Alluvial groundwater saturation in most of lower Los Alamos Canyon down to the area around LLAO-4 is related to infiltration of surface water discharged from Basalt Spring, which is hydrologically linked to surface water discharged from the Bayo WWTP into Pueblo Canyon (LANL 2004, 087390)

Further downcanyon, alluvial groundwater levels show rapid response to heavy precipitation in the summer and fall. Water levels also rise in response to late winter and early spring snow melt runoff. This recharge mechanism is not entirely due to infiltration from the stream bed, but may also be related to underflow within the alluvium.

Intermediate-depth perched groundwater occurs beneath Los Alamos Canyon. The depth and lithology of the saturated zones are variable. Intermediate-depth groundwater was encountered near the top of the Puye Formation (below the Guaje Pumice Bed) at approximately 680 ft bgs in R-7 (LANL 2002, 72717), in the Guaje Pumice Bed at 325 ft in LADP-3, and at 295 ft in LAOI-1.1(A). Deeper saturation was also encountered at about 317 ft in the Puye Formation in borehole LAOI-1.1(A) within the Guaje Pumice Bed. Intermediate-depth perched groundwater was also encountered during drilling of supply well O-4 near the confluence with DP Canyon. Zones of intermediate-depth perched groundwater occur within Cerros del Rio Basalts at approximately 179 ft and 264 ft at well R-9i in the lower portion of upper Los Alamos Canyon (LANL 2001, 71060).

Depth to the regional aquifer is known in several locations in Los Alamos Canyon; and ranges from approximately 900 ft bgs in the Puye Formation at R-7 in the upper portion of the canyon to 688 ft bgs in Santa Fe Group basalts at R-9 in the lower portion of upper Los Alamos Canyon (LANL 2002, 72717).

The conceptual model for the Los Alamos 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 Los Alamos Watershed was conducted pursuant to the NMED-approved “Interim Facility Wide Groundwater Monitoring Plan, Revision 1” (LANL 2006, 094043).

Table 2.0-1 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 groundwater and regional aquifer, 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 because of delays at the analytical laboratory or requirements for review and release of the data by the property owner. Table 3.4-1 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) present 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:

- All data
  - ❖ Data that are R qualified (rejected due to serious noncompliance regarding quality control acceptance criteria) during independent validation are considered not detected, but are reported.
- Radionuclides
  - ❖ All results without a laboratory qualifier of U or X (indicating the analyte was not detected) are reported at all locations.
  - ❖ All low-detection-limit tritium results 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 cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
- Nonradionuclides
  - ❖ For a given location, port depth, analyte, field preparation, 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.
  - ❖ Analytical laboratory quality control results including matrix spike and matrix spike duplicates are not included in the data set.

The regulatory and risk-based screening standards used to evaluate data for each medium are listed 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, whether the standard applies to dissolved (F, or filtered) or total (UF, or unfiltered) samples, and the value of the standard for each analyte.

Surface water and groundwater perchlorate data are 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 are compared to all surface water standards without consideration of the designated use for the particular reach. For example, data from an ephemeral reach, where only the higher acute aquatic life standards apply, may be compared to the lower chronic aquatic life standards that apply only to perennial reaches. The New Mexico Groundwater Standards (NMGS) apply to the dissolved portion of specified contaminants, except that standards for mercury, organic compounds, and non-aqueous phase liquids apply to the total unfiltered concentrations of the contaminants.

As required by the Consent Order, U.S. Environmental Protection Agency (EPA) Region 6 Tap Water Screening Levels are used for groundwater 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

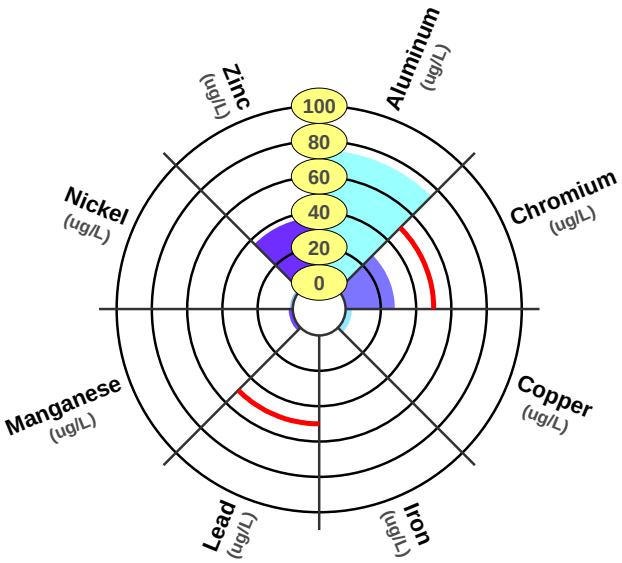
[1] Data that have been independently reviewed for conformance with Laboratory requirements.

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 are 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, 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) for surface water and to the 4-mrem Derived Concentration Guideline (DCGs) for groundwater. Except for drinking water, the DCGs serve as screening levels rather than as standards.
- Table E-1 shows all detected values for perchlorate, radioactivity, and organic compounds; and all values greater than half the lowest applicable standard for metals and other general inorganic compounds. Because no analytical laboratory qualifiers are provided, low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty (or 3σ) are considered to be detections.
- Where unusual results are found for any compound, an analysis of all available results 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 yellow ovals denote concentration along the axes; the red arcs indicate the applicable standard or screening concentration; and the shaded sectors show the concentration of the analyte outside of the circle's circumference.**

The analytes for the modified clock diagrams shown in Figure 4.2-1 are selected from two datasets: 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 for the Los Alamos Watershed included aluminum, arsenic, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, cyanide, copper, DDD[4,4'-], DDT[4,4'-], dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, iron, lead, manganese, perchlorate, and selenium in surface water; and aluminum, antimony, arsenic, bis(2-etheylhexyl)phthalate, chloride, copper, fluoride, iron, methylene chloride, lead, manganese, mercury, molybdenum, nickel, nitrate as N, perchlorate, phenol, selenium, and thallium in groundwater. No other analytes from this periodic monitoring event were added to the data set.

Metals are depicted on the modified clock diagrams using shades of blue, while the inorganic data appear in shades of green. For surface water, the following analytes are depicted in two separate blue diagrams (grouped by concentration): aluminum, iron, lead, manganese, molybdenum, and nickel. Chloride, cyanide, fluoride, nitrate, and perchlorate are shown on the green diagrams. For groundwater, the following analytes are depicted in two separate blue diagrams (grouped by concentration): aluminum, arsenic, copper, iron, lead, manganese, molybdenum, nickel, and thallium. Chloride, cyanide, fluoride, nitrate and perchlorate are shown on the green diagrams.

Analytes that are not shown on the diagrams are either less than half the lowest applicable regulatory standard or screening level, not detected, or radionuclides. Empty diagrams are shown for completeness and allow the reader to see that some analytes are not present 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)

For general inorganic compounds, three nitrate (as nitrogen) results are above standards. However, these perchlorate results are contradicted by results from more precise analyses showing that perchlorate is not detected in the samples. Three nitrate results from the base-flow station "Pueblo above SR-502" are above the New Mexico Livestock Watering Standard of 132 mg/L. However, the nitrate results (700 mg/L) exceed the total dissolved solids (TDS) results (400 mg/L), indicating that the nitrate results are probably the result of incorrect field sample preservation techniques (i.e., nitric acid use).

The only perchlorate results that approach 4 µg/L are from the base-flow station "Pueblo above SR-502." Two field duplicate results measured by one analytical method (ion chromatography) are 4.8 µg/L. However, two other results analyzed by a more accurate analytical method (liquid chromatography/mass spectrometry/mass spectrometry) are nondetects at less than 0.05 µg/L. This finding indicates that the analytical results from the ion chromatography analyses are erroneous.

Aluminum is the predominant metal present in both filtered and unfiltered surface water samples at concentrations above water-quality standards. Elevated concentrations of this metal result from the effects of suspended sediment and turbidity on samples. This periodic monitoring event found one filtered aluminum result from the base-flow station "Acid above Pueblo" (390 µg/L) above standards. This result is below the Acute Aquatic Life Standard but above the Chronic Aquatic Life Standard. Although the Chronic Aquatic Life Standard is exceeded, it does not apply to ephemeral surface water and is only used here as a measure for comparison.

Elevated results for several other metals are commonly found in unfiltered samples. This periodic monitoring event found unfiltered lead and copper results (3.7 and 7.3 µg/L, respectively) above half the New Mexico Aquatic standards (which apply only to the filtered fraction, but are discussed here for comparison purposes only).

No results for organic compounds are above standards. Only bis(2-ethylhexyl)phthalate and toluene are found at low concentrations in surface water samples from this periodic monitoring event. Certain organic compounds used in analytical laboratories are frequently detected in laboratory blanks. That is, contamination introduced by the analytical process is common for acetone, methylene chloride, toluene, 2- butanone, di-n-butyl phthalate, di-n-octyl phthalate, and bis(2-ethylhexyl)phthalate (Fetter 1993). Therefore, the bis(2-ethylhexl)phthalate and toluene results likely are due to sampling and analysis cross-contamination.

No radiological measurements are above standards. Americium-241 and strontium-90 are each detected at one base-flow station; gross alpha at two base-flow stations; and plutonium-239, 240 at three base-flow stations. The activities for these radiochemical analytes are similar to past activities at these locations.

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 (Section 4.2) are shown in Figure 4.2-1.

4.2.2 Groundwater

For general inorganic compounds, six perchlorate results from R-4 and R-6i are above the screening level of 4 µg/L but below the EPA Drinking Water Equivalent Level (DWEL) of 24.5 µg/L and are consistent with prior values. Nitrate (as nitrogen) concentrations in POI-4 are below (at ~50% of) the NMGS (10 mg/L). An evaluation of historical data for this well indicates an increasing trend in nitrate concentrations. Fluoride results in intermediate port (at 384 ft) in R-5, DP Spring, and LAO-2 range from 50% to 70% of the NMGS (1.6 mg/L) and are consistent with prior data.

No other general inorganic compounds are above standards (excluding nonenforceable SMCLs for sodium and total dissolved solids).

The predominant metals present in groundwater at concentrations above water-quality standards are aluminum, manganese, and iron. The concentrations of these metals are a result of the effects of sample turbidity or well construction on water samples (LANL 2006, 094108). This periodic monitoring event identified 16 filtered aluminum, iron, and manganese results above SMCLs, which are nonenforceable guidelines. Five of these results (iron and manganese) are also above the NMGS.

The filtered and unfiltered aluminum values in APCO-1 are the highest (by a factor of 10) observed to date. This suggests that August 2006 flooding in Pueblo Canyon may have impacted the well. The turbidity value for this sampling event was 85 NTUs, which is much higher than the prior high of 19 NTUs and the more usual 5 NTUs. Aluminum values in PAO-1, sampled two days later than APCO-1, are also much higher than prior values (except for those measured in 2005). Turbidity in PAO-1 was 10 NTUs, similar to one prior value; therefore the elevated aluminum in PAO-1 is apparently not related to turbidity in this instance.

Several wells have arsenic concentrations just below the EPA MCL of 10 µg/L. The analytical method used to analyze for arsenic (SW-846:6010B) has a method detection limit (MDL) of 6 µg/L. Because this analytical method lacks adequate resolution, it cannot provide an accurate comparison of the result to the standard. Future arsenic analyses will be performed using an analytical method with greater precision (SW-846:6020).

Two lead results, an unfiltered result in APCO-1 and a filtered result in a regional aquifer port (711 ft) in R-8 are the highest identified at these locations and are below (at ~50% of) the EPA screening level (15 µg/L). The result for APCO-1 may be related to high sample turbidity. A thallium value in R-8 is below (at ~50% of) the EPA MCL and near the MDL.

No organic compound results in groundwater samples exceed standards or screening levels. With a few exceptions such as 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 rather than to Laboratory contamination. Most organic analytes are not consistently found in water samples from a given station. In groundwater, a steady detection of an organic compound across sampling events would be expected if contamination were present.

The only organic compound detected at a concentration near or above any standard or screening level is methylene chloride (found in three field trip blanks). Several organic compounds results are near the detection limit; however, none shows a pattern of contamination in any particular well.

Toluene is often present in water samples and field quality control (QC) samples at concentrations less than 2 µg/L. This periodic monitoring event found toluene in a sample from LAOI-7. Field duplicate sample results are about 70 µg/L below (at ~9% of) the NMGS (750 µg/L). Subsequent samples from LAOI-7 also found toluene at concentrations less than 110 µg/L in one sample and 45 µg/L in a field duplicate sample. Toluene was not detected in the accompanying field trip blank.

Six radiological measurements are above a standard or screening value. The unfiltered plutonium-239, 240 result for APCO-1 (1.5 pCi/L) exceeds the prior highest result by a factor of 10 and is above the 4 mrem DCG (1.2 pCi/L). In addition, an unfiltered plutonium-239, 240 result in PAO-2 (1.17 pCi/L) is just below the 4 mrem DCG. The filtered results for the same analytes in these groundwater samples are much lower (0.0691 and 0.271 pCi/L, respectively). The elevated results for plutonium-239, 240 may also be attributed to elevated turbidity resulting from the August 2006 flooding.

Filtered strontium-90 results at DP Spring and LAO-2 (31.1 and 8.02 pCi/L) are greater than the EPA MCL (8 pCi/L), as in the past. Gross beta values for these two locations (66.2 and 39.8 pCi/L) are correspondingly near or above the EPA screening value (50 pCi/L). As in past samples, several radionuclides (americium-241, cesium-137, plutonium-239, 240, and strontium-90) are detected at moderate levels in alluvial groundwater.

Several radionuclide (americium-241, plutonium-238, and plutonium-239, 240) detections occurred in intermediate-perched groundwater or regional aquifer samples. The analytical results are near the detection limit, and in some cases, unsupported by field duplicate or paired analyses. Inconsistent detection of these analytes over 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 (Section 4.2) are shown in Figure 4.2-1

4.3 Sampling Program Modifications

PAO-3, which was destroyed during the August 2006 flooding, will be removed from future periodic monitoring events (PMEs). No other modifications to the PMEs for the Los Alamos 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 one metal and three general inorganic compounds (including perchlorate) present at concentrations above regulatory standards. No organic compound or radioactive analytes are present at concentrations above regulatory standards. The types of contaminants detected and their levels are consistent with prior data. The screening results support the watershed's conceptual model as summarized in the IFGMP and included in Appendix A.

6.2.2 Groundwater

For alluvial groundwater, the screening analysis of the groundwater analytical results indicates that five dissolved metals are present at concentrations above NMGS or other standards. No general inorganic or organic compounds are present in concentrations above standards (excluding nonenforceable EPA SMCLs for sodium and TDSs) or screening levels. Perchlorate is not present at concentrations above the screening level of 4 µg/L. Six radioactive analytes are present at concentrations above DOE DCGs, EPA MCLs, or EPA SMCLs. The screening results support the Watershed's conceptual model with respect to groundwater quality as summarized in the IFGMP and included in Appendix A.

For intermediate-perched groundwater, the screening analysis of the groundwater analytical results indicates that no dissolved metals are present at concentrations above NMGS or other standards; no general inorganic compounds are present at concentrations above standards (excluding nonenforceable EPA SMCLs for sodium and total dissolved solids); no organic compounds are present at concentrations above standards or screening levels; and no radioactive analytes are present at concentrations above DOE DCGs, EPA MCLs, or EPA screening levels. Two results indicate the presence of perchlorate at concentrations above the screening level of 4 µg/L, but below the EPA DWEL of 24.5 µg/L. The screening results support the watershed's conceptual model with respect to groundwater quality as summarized in the IFGMP and included in Appendix A.

For the regional aquifer groundwater, the screening analysis of the groundwater analytical results indicates that no dissolved metals are present at concentrations above NMGS or other standards; no general inorganic compounds are present at concentrations above standards (excluding nonenforceable EPA SMCLs for sodium and total dissolved solids); no organic compounds are present at concentrations above standards or screening levels; and no radioactive analytes are present at concentrations above DOE DCGs, EPA MCLs, or EPA SMCLs. Four results indicate the presence of perchlorate in concentrations above the screening level of 4 µg/L, but below the EPA DWEL of 24.5 µg/L. The screening results support the watershed's conceptual model with respect to groundwater quality as summarized in the IFGMP and included in Appendix A.

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 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.

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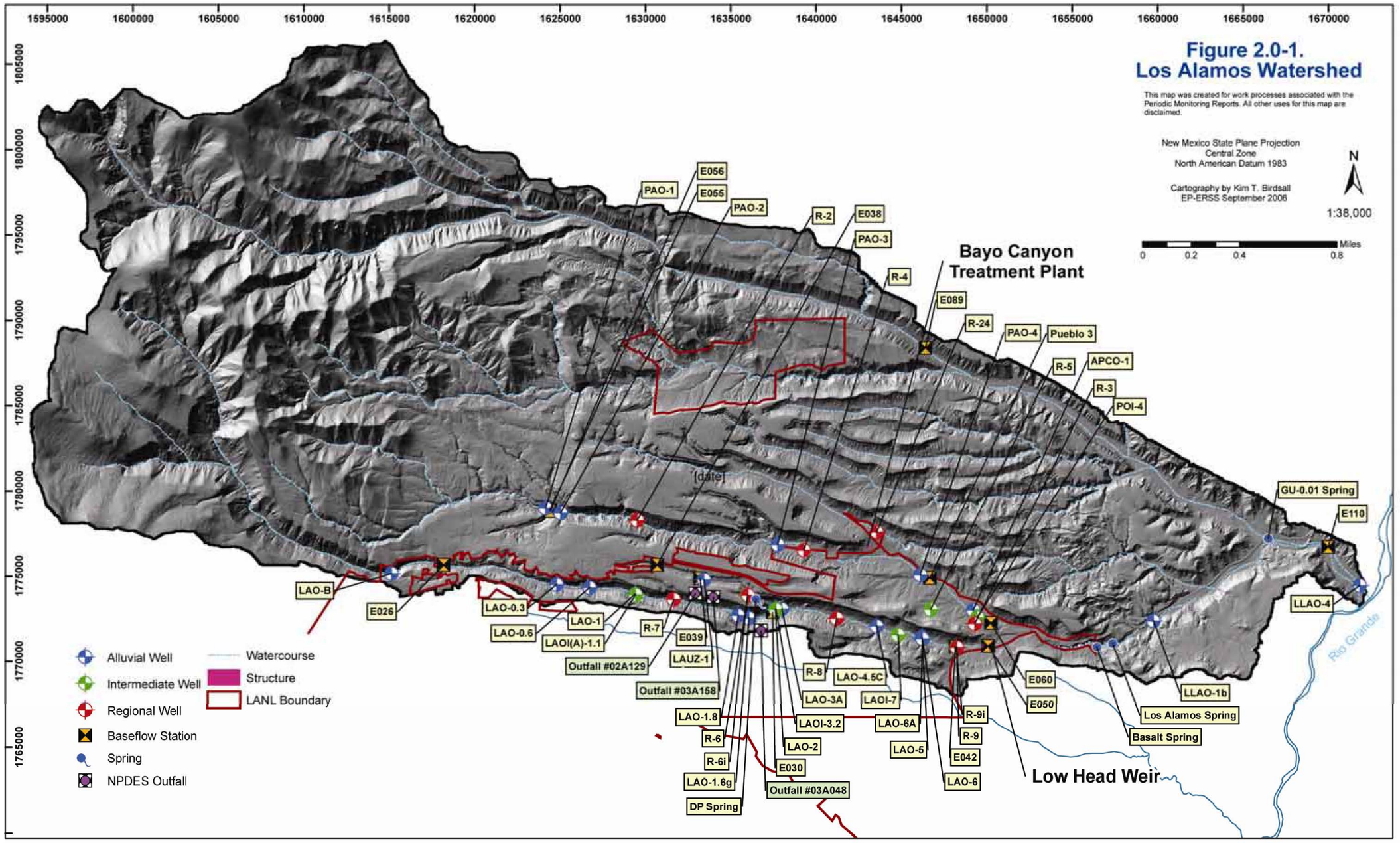


Figure 2.0-1. Periodic monitoring locations Los Alamos Watershed

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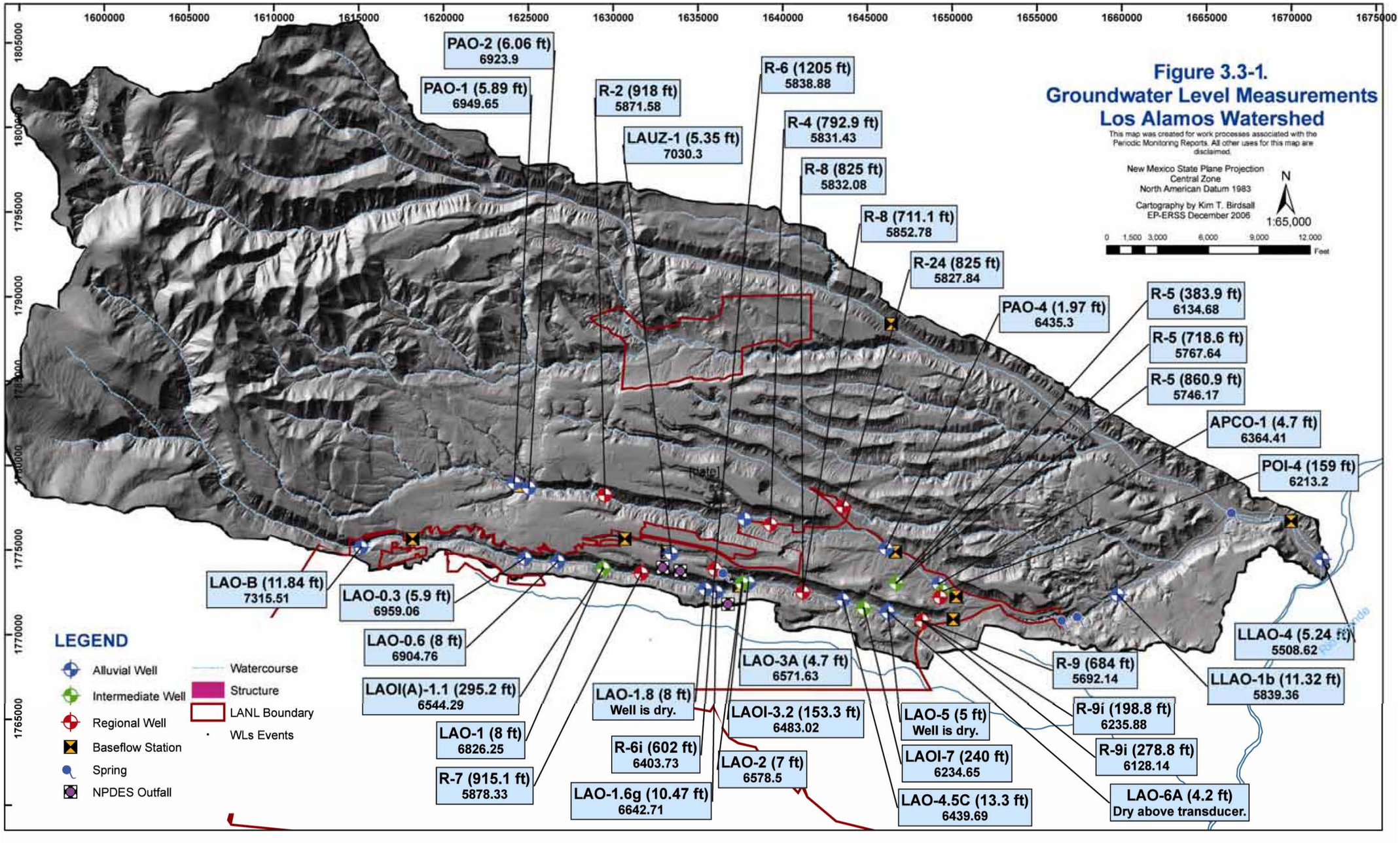


Figure 3.3-1. Surface water analytical results Los Alamos Watershed

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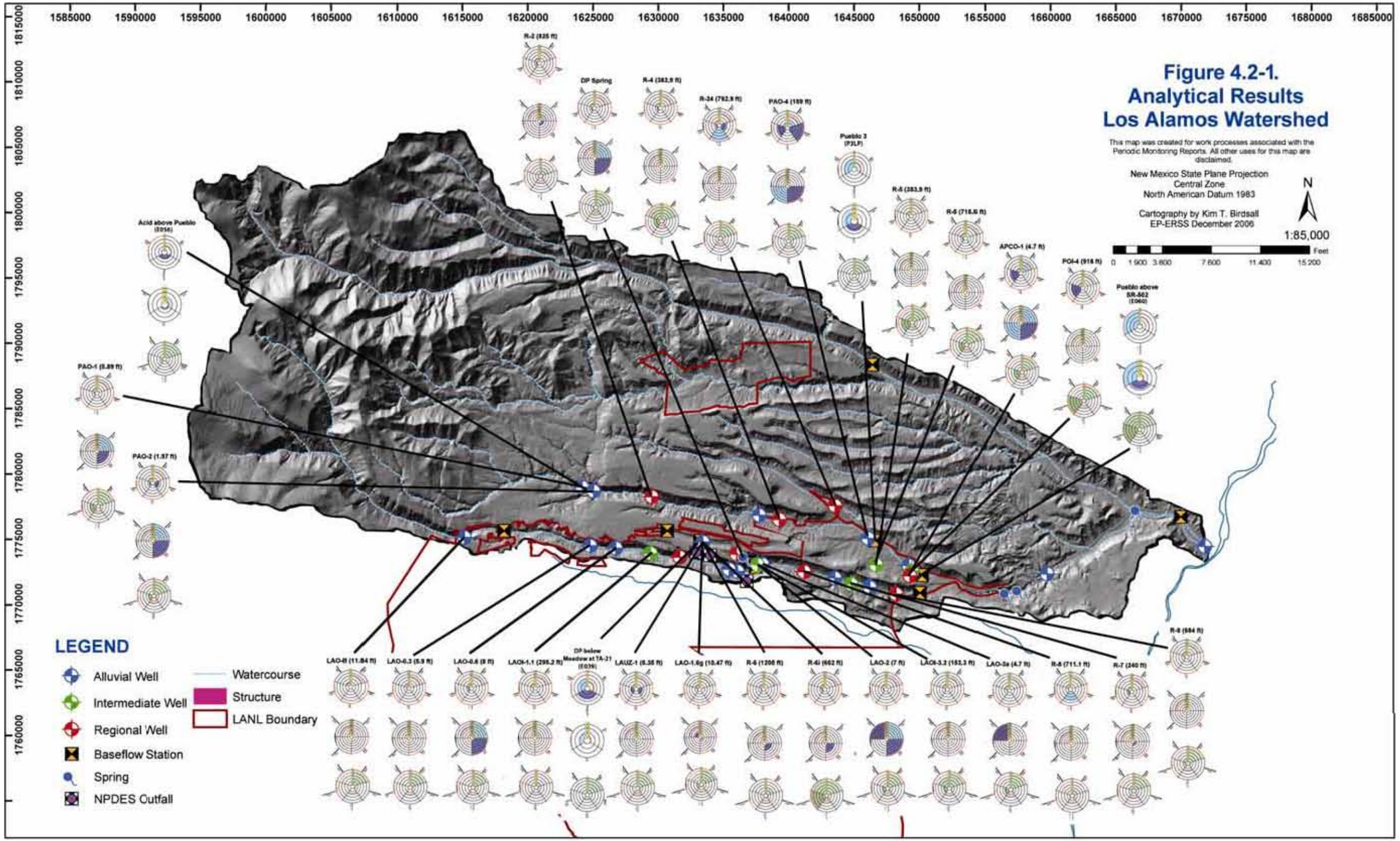


Figure 4.2-1. Analytical results Los Alamos Watershed

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Table 2.0-1
Monitoring Locations and General Information

Location Name	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Instantaneous Stream Flow or Transducer Water Level
Surface Water (Base Flow)							
Acid above Pueblo	7/27/2006	n/a	n/a	n/a	n/a	n/a	0.0024 ft^3/s
DP above TA-21	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
DP below Meadow at TA-21	7/26/2006	n/a	n/a	n/a	n/a	n/a	0.0024 ft^3/s
Guaje above Rendija	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Los Alamos above DP Canyon	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Los Alamos above SR-4	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Los Alamos below Ice Rink	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Los Alamos below LA Weir	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Los Alamos Canyon near Otowi Bridge	7/25/2006	n/a	n/a	n/a	n/a	n/a	0.04 ft^3/s
Pueblo 3	7/28/2006	n/a	n/a	n/a	n/a	n/a	0.345 ft^3/s
Pueblo above Acid	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Pueblo above SR-502	7/28/2006	n/a	n/a	n/a	n/a	n/a	0.01 ft^3/s
Springs							
Basalt Spring	8/8/2006	n/a	n/a	n/a	n/a	n/a	2.5 gpm
DP Spring	8/3/2006	n/a	n/a	n/a	n/a	n/a	2 gpm
GU-0.01 Spring	8/8/2006	n/a	n/a	n/a	n/a	n/a	250 mL/m
Los Alamos Spring	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Sacred Spring	Not Sampled	n/a	n/a	n/a	n/a	n/a	n/a
Alluvial Groundwater							
APCO-1	8/8/2006	Single Completion	4.7	10	4.7	14.7	6364.41 ft
LAO-0.3	7/31/2006	Single Completion	5.9	5	5.9	10.9	6959.06 ft

Table 2.0-1 (continued)

Location Name	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Instantaneous Stream Flow or Transducer Water Level
LAO-0.6	8/3/2006	Single Completion	8	5	8	13	6904.76 ft
LAO-1	Not Sampled	Single Completion	8	20	8	28	n/a
LAO-1.6g	8/1/2006	Single Completion	10.47	15	10.47	25.47	6642.71 ft
LAO-1.8	Not Sampled	Single Completion	8	10	8	18	n/a
LAO-2	7/27/2006	Single Completion	7	25	7	32	6578.5 ft
LAO-3a	8/1/2006	Single Completion	4.7	10	4.7	14.7	6571.63 ft
LAO-4.5c	Not Sampled	Single Completion	13.3	10	13.3	23.3	n/a
LAO-5	Not Sampled	Single Completion	5	20	5	25	n/a
LAO-6	Not Sampled	Single Completion	6	10	6	16	n/a
LAO-6a	Not Sampled	Single Completion	4.2	10	4.2	14.2	n/a
LAO-B	8/3/2006	Single Completion	11.84	15	11.84	26.84	7315.51 ft
LAUZ-1	8/2/2006	Single Completion	5.35	5	5.35	10.35	7030.3 ft
LLAO-1b	8/9/2006	Single Completion	11.32	10	11.32	21.32	5839.36 ft
LLAO-4	8/9/2006	Single Completion	5.24	10	5.24	15.24	5508.62 ft
PAO-1	8/10/2006	Single Completion	5.89	5	5.89	10.89	6949.65 ft
PAO-2	8/10/2006	Single Completion	6.06	5	6.06	11.06	6923.9 ft
PAO-3	Not Sampled	Single Completion	5.62	5	5.62	10.62	n/a
PAO-4	8/10/2006	Single Completion	1.97	5	1.97	6.97	6435.3 ft
Intermediate-perched Groundwater							
LAOI(a)-1.1	8/7/2006	Single Completion	295.2	9.8	295.2	305	6544 ft
LAOI-3.2	7/25/2006	Single Completion	153.3	9.5	153.3	162.8	6483.02 ft

Table 2.0-1 (continued)

Location Name	Sample Collection Date	Port Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Instantaneous Stream Flow or Transducer Water Level
LAOI-7	8/1/2006	Single Completion	240	19.6	240	259.6	6234.65 ft
POI-4	8/8/2006	Single Completion	159	15	159	174	6213.2 ft
R-5	7/25/2006	MP2A	383.9	16	372.8	388.8	6134.68 ft
R-6i	7/26/2006	Single Completion	602	10	602	612	6403.73 ft
R-9i	8/10/2006	MP1A	198.8	10.4	189.1	199.5	6235.88 ft
R-9i	8/10/2006	MP2A	278.8	10.7	269.6	280.3	6128.14 ft
Regional Aquifer							
R-2	7/24/2006	Single Completion	918	23.12	906.45	929.57	5871.58 ft
R-4	7/25/2006	Single Completion	792.9	23.1	792.9	816	5831.43 ft
R-5	7/26/2006	MP3B	718.6	43.4	676.9	720.3	5767.64 ft
R-5	7/27/2006	MP4A	860.9	5	858.7	863.7	5746.17 ft
R-6	7/26/2006	Single Completion	1205	23	1205	1228	5838.88 ft
R-7	7/31/2006	MP3A	915.1	41.9	895.5	937.4	5878.33 ft
R-8	8/1/2006	MP1A	711.1	50.39	705.31	755.7	5852.78 ft
R-8	8/2/2006	MP2A	825	7	821	828	5832.08 ft
R-9	7/31/2006	Single Completion	684	65.5	683	748.5	5692.14 ft
R-24	7/27/2006	Single Completion	825	23	825	848	5827.84 ft

*n/a = Not applicable.

Table 3.4-1
Observations and Deviations

Location	Deviation	Cause	Impact	Comments
APCO-1, Basalt Spring, GU-0.01 Spring, Los Alamos Canyon near Otowi Bridge, Pueblo 3, Pueblo above SR-502, Pueblo above SR-502, R-4 PAO-4 and R-5	Dioxin data are late from analytical laboratory.	Analytical laboratory subcontracted all dioxin analyses. The subcontractor was unable to deliver all dioxin data on time. Due to these performance issues, the analytical laboratory has since changed subcontractors.	Data is not included in this Periodic Monitoring Report (PMR)	Data will be included in subsequent PMR.
Acid above Pueblo, APCO-1, Basalt Spring, DP below Meadow at TA-21, DP Spring, GU-0.01 Spring, LAO-0.3, LAO-0.6, LAO-1.6g, LAO-2, LAO-3a, LAO-B, LAOI(a)-1.1, LAOI-3.2, LAOI-7, LAUZ-1, LLAO-1b, LLAO-4, Los Alamos Canyon near Otowi Bridge, PAO-1, PAO-2, PAO-4, POI-4, Pueblo 3, Pueblo above SR-502, R-2, R-24, R-4, R-5, R-5, R-6, R-6i, R-7, R-8, R-9 and R-9i	Tritium data are late from analytical laboratory.	Laboratory analysis takes longer than 30 days in some cases. Laboratory contract allows longer data reporting time to address the possibility of longer count times and recounts for this very specialized analysis.		
LAO-3a	Data validation is not complete.	Additional information or reanalysis was requested because of problems with the reported analytical data. For this reason, there were delays in the data-reloading process, which is being redesigned to be more responsive.	Data are not included in this PMR.	Data will be included in subsequent PMR.
DP Above TA-21, Guaje above Rendija, LAO-1, LAO-1.8, LAO-4.5c, LAO-5, Los Alamos Spring, Los Alamos above DP Canyon, Los Alamos above SR-4, Los Alamos below Ice Rink, Los Alamos below LA Weir, Pueblo above Acid, R-5 (screen 1) and R-7 (screens 1 and 2)	No samples were collected.	Locations did not have sufficient water for sampling.	No data were collected.	Data will be collected for following PMR.
PAO-3		Well was destroyed by flooding.		Well will be removed from future periodic monitoring events.

Table 3.4-1 (continued)

Location	Deviation	Cause	Impact	Comments
R-24	Volatile organic analytical data were rejected in verification and validation.	Improper sample preservation occurred. The cooler was received at the laboratory at 19 °C due to shipping error by shipping provider. All nondetected results were rejected.	Only data for acetonitrile, isobutyl alcohol, n-butyl, alcohol and 1,4-dioxane reported.	Data will be collected for subsequent PMR.

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 Guides (BCG)		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	
New Mexico Environmental Improvement Board (NMEIB) Radiation Protection Standards	x	x
New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standard (NMGS)		x
NMWQCC Irrigation Standard		x
MNWQCC Livestock Watering Standard		x
NMWQCC Wildlife Habitat Standard		x
NMWQCC Aquatic Life Standards Acute		x
NMWQCC Aquatic Life Standards Acute, Hardness = 100 mg/L		x
NMWQCC Aquatic Life Standards Chronic		x
NMWQCC Aquatic Life Standards Chronic, Hardness = 100 mg/L		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 sufficient water.	No data available for this PMR.	Continue to monitor locations per IFGMP.
Data not available due to delays at analytical laboratory.	No data available for this PMR.	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.

Appendix A

Los Alamos Watershed Conceptual Model

This appendix contains the conceptual model as described in Table A-3 of the 2006 IFWGMP (LANL 2006, 094043).

Table A-1
Los Alamos Watershed Conceptual Model

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Surface Water	Flow	Perennial flow originates from springs and interflow through hill-slope soils in the upper watershed. The downcanyon extent of perennial flow is variable, but generally terminates in the upper portions of Los Alamos Canyon west of TA-41. The magnitude of snowmelt runoff is the predominant factor affecting the duration and extent of surface water flow. The remainder of upper Los Alamos Canyon down to its confluence with Pueblo Canyon has intermittent surface water flow. Segments that have persistent flow for most of the year or during periods of extended snowmelt runoff sometimes exhibit interrupted flow. DP Canyon is ephemeral, although some persistent surface water is sometimes observed in small, shallow bedrock pools, generally less than a few meters across, which are filled by runoff originating in the southeastern portion of the Los Alamos townsite. Flow sometimes exists for very short distances in Reach DP-2 because of discharge of groundwater stored within alluvium, and immediately above, in Reach DP-4, where groundwater discharges at DP Spring.	Surface water flow in upper Pueblo and Acid Canyons is generally ephemeral with runoff events caused by summer storms. Locally persistent surface water flow in the upper canyon is associated with townsite runoff and snowmelt runoff. Gage data (E055) are available for 2002 and 2003, showing that surface water rarely flows through the length of upper Pueblo Canyon; only 14 days of this flow occurred in 2002. In the South Fork of Acid Canyon, the channel is bedrock dominated, and storm water runoff and periodic releases of water from the Walkup Center swimming facility result in small pools of water that persist for several weeks or even months in narrow and confined and/or shaded canyon areas. In lower Pueblo Canyon, effluent-dependent flow is present for about 3 km in lower Pueblo Canyon from the discharge from the Los Alamos County Wastewater Treatment Plant (WWTP).	Surface water flow in lower Los Alamos Canyon is from Basalt Spring and a lesser amount from LA Spring. The flow from Basalt Spring and the downcanyon extent of surface water flow depends on the amount of water that is discharged from the WWTP. At times of high discharge, flow can be continuous for approximately 7.5 km to the confluence with the Rio Grande. During periods of low discharge, flow may only extend from 1 to 3 km. Within approximately 1–2 km of the confluence with the Rio Grande, surface water flow is common and believed to be related to discharge of deep groundwater to the surface

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Surface Water	Quality	Key contaminants in upper Los Alamos Canyon surface water include nitrate, polycyclic aromatic hydrocarbons (PAHs), strontium-90, and plutonium-239/240. The plutonium-239 is related to outfalls (likely Hillsides 137 and 138) in former TA-01. Strontium-90 originated from the outfall at TA-21, which ceased operation in 1986. PAHs may come from automobile exhaust and other urban combustion sources. Key contaminants in DP Canyon surface water and springs include strontium-90. The radionuclides are contaminants only for the unfiltered samples indicating the potential that the detections are related to the presence of suspended sediment in the samples. DP Spring consistently shows elevated strontium-90 concentrations related to surface water and alluvial groundwater discharge from Reach DP-2 where strontium-90 is present throughout the sediment due to historical releases from SWMU 21 -011(k).	Key contaminants in Acid Canyon surface water include PAHs (e.g., benzo a_pyrene, dibenz_a_h_anthracene), and radionuclides (plutonium-239/240 and strontium-90). The PAHs are believed to be associated with runoff from developed areas within the Los Alamos townsite. The radionuclides were detected in bedrock pools in the South Fork of Acid Canyon and are consistent with contaminants found in sediment within the canyon from historical releases from TA-45. The radionuclide contamination generally does not extend beyond the Acid/Pueblo Canyon confluence in detectable concentrations, with the exception of plutonium-239/240 in unfiltered samples. Surface water in Pueblo Canyon above the confluence with Acid Canyon also has PAHs that are considered to have a source in townsite runoff. Surface water in Pueblo Canyon below the confluence with Acid Canyon shows organic contaminants (PAHs) that are both likely from townsite, national forest, or Cerro Grande fire sources. Radionuclides include plutonium-239/240.	Key contaminants in surface water and springs in lower Los Alamos Canyon include PAHs (benzo_k_fluoranthene), and, only from unfiltered surface water, strontium-90. Strontium-90 could be from either Los Alamos Canyon or Pueblo Canyon, but based on estimated inventories of strontium-90, it is most likely associated with Los Alamos Canyon, specifically Solid Waste Management Unit (SWMU) 21-011(k).

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Springs	Flow	Discharge at DP Spring is highly variable, generally ranging from 0 to less than 1 gal./min, and has been observed to respond rapidly to storm water runoff from upper DP Canyon. Surface water flow generally extends for less than 50 ft downcanyon from the point where spring flow joins the stream channel.	There are no springs in Pueblo Canyon.	Basalt Spring is recharged by water from the WWTP in Pueblo Canyon. It has variable estimated discharge rates ranging from 1 to 10 gal/min. LA Spring discharges along the south slope of the canyon approximately 300 m downstream of Basalt Spring.
	Quality	Strontium-90 and gross beta are present above applicable standards.		Nitrate is occasionally present above regulatory standards.
Alluvial Groundwater	Extent/ Hydrology	Alluvial saturation extends from west of the Laboratory boundary downcanyon for variable distances. During dry years, and especially during years with limited spring snowmelt runoff, saturation may not extend to LAO-4c. Alluvial monitoring wells as far down upper Los Alamos Canyon as LAO-4.5c had water for sampling for the first three of four RFI sampling rounds conducted in 2001 and 2002. LAO-6a, the most downcanyon alluvial monitoring well in upper Los Alamos Canyon, only had water sufficient for sampling during the round of sampling conducted in the spring of 2001.	Alluvial groundwater occurs in two distinct modes. Wells located upcanyon of the WWTP show groundwater level variations closely tied to precipitation and associated flood events and to winter and spring snowmelt. The extent of saturation is seasonally variable, but often extends downcanyon to the portion of the canyon where effluent from the Bayo WWTP is discharged into the canyon. Below the WWTP, saturated conditions occur year-round, but the degree of saturation	Groundwater saturation in most of lower Los Alamos Canyon down to the area around LLAO-4 is related to infiltration of surface water discharged from Basalt Spring, which is hydrologically linked to surface water discharged from the Bayo WWTP into Pueblo Canyon (LANL 1995, 50290). Groundwater levels in the upper portion of lower Los Alamos Canyon are highly variable and are related to seasonal variations in discharge rates from the

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Alluvial Groundwater	Extent/ Hydrology	Monitoring well LAO-B, located on U.S. Forest Service (USFS) land approximately 0.7 km west of the Laboratory boundary, shows very consistent water levels throughout the year with little inter-annual variability. Further downcanyon, alluvial groundwater levels show rapid response to heavy precipitation in the summer and fall. Water levels also rise in response to late winter and early spring snow melt runoff. This recharge mechanism is not entirely due to infiltration from the stream bed, but may also be related to underflow within the alluvium. In DP Canyon, two separate alluvial saturated zones exist; one in Reach DP-2 and the other in Reach DP-4. In general, groundwater level variations in DP Canyon are directly related to runoff generated in the Los Alamos townsite throughout the year. Alluvial groundwater monitoring wells in Reach DP-2 consistently show some amount of saturation. The second saturated zone is separated from Reach DP-2 by a bedrock-dominated portion of the canyon. Intermittent flow from DP Spring recharges the alluvium in Reach DP-4. This alluvial groundwater is a component of the groundwater observed in well LAO-2 at the confluence of DP and Los Alamos Canyons. Contaminants unique to the portion of upper Los Alamos Canyon above the confluence with DP Canyon (e.g., molybdenum) are detected in LAO-2, indicating that mixing of groundwater from distinct sources occurs in this area.	is variable because of changes in runoff and the volume of effluent released throughout the year. The variation in water level elevations downcanyon of the WWTP is controlled primarily by seasonal routing of effluent for uses such as irrigation for the municipal golf course.	WWTP and to floods from upper Los Alamos and Pueblo Canyons. In the lowermost portion of lower Los Alamos Canyon, the water level record from LLAO-5 shows relatively constant saturation with much less variability than is exhibited in the upper portions of lower Los Alamos Canyon. The geochemistry of groundwater from LLAO-5 indicates that alluvial groundwater in the lower-most portion of the watershed represents mixing of waters from Los Alamos Canyon and regional groundwater discharging to the Rio Grande.

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Alluvial Groundwater	Depth/Thickness			
	Quality	Key contaminants in alluvial groundwater above the confluence with DP Canyon include molybdenum, gross beta, and strontium-90. Molybdenum is related to discharge from National Pollutant Discharge Elimination System (NPDES) -permitted outfalls from TA-53 where sodium molybdate was used as a water treatment chemical in cooling towers (ESP 2002, 73876). The use of molybdate has been discontinued. The strontium-90 is related to contamination in a septic leach field east of the Omega West Reactor at TA-02. Below the confluence with DP Canyon the contaminants include strontium-90. Concentrations of strontium-90 in Los Alamos Canyon initially increase below the confluence with DP Canyon indicating that in DP Canyon SWMU 21 -011(k) is a more significant source of strontium-90 than is TA-02. Key alluvial groundwater contaminants in DP Canyon include strontium-90 from SWMU 21-011(k). Strontium-90 has been present in DP Canyon alluvial groundwater for years and concentrations do not show significant decline.	The key contaminants in Pueblo Canyon alluvial groundwater include nitrate from the WWTP.	No contaminants exceed regulatory standards.

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Intermediate Groundwater	Extent/Hydrology	Intermediate depth perched groundwater beneath Los Alamos Canyon has variable depth and lithology of the saturated zones. Intermediate depth groundwater was encountered near the top of the Puye Formation (below the Guaje Pumice Bed) at approximately 680 ft bgs in R-7 in the Guaje Pumice Bed, at 325 ft in LADP-3, and at 295 ft in LAOI(A)-1 .1. Deeper saturation was also encountered at about 317 ft in the Puye Formation in borehole LAOI(A)-1.1 within the Guaje Pumice Bed. Intermediate depth perched groundwater was also encountered during drilling of supply well O-4 near the confluence with DP Canyon (Stoker et al. 1992, 58718). Zones of intermediate depth perched groundwater occur within Cerros del Rio Basalts at approximately 179 ft and 264 ft at well R-9i in the lower portion of upper Los Alamos Canyon.	Intermediate depth groundwater occurs beneath Pueblo Canyon. At Test Well 2A, in the middle portion of Pueblo Canyon, the perched groundwater occurs within the Puye Formation at a depth of approximately 120 ft bgs. In lower Pueblo Canyon, in TW-1A and POI-4 perched groundwater was encountered within Cerros del Rio basalts at a depth of about 188 ft bgs. This intermediate perched zone may be one source of water contributing to the flow from Basalt Spring in Los Alamos Canyon.	
	Depth/Thickness			
	Quality	No contaminants exceed regulatory standards.	No contaminants exceed regulatory standards.	

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Regional Aquifer	Depth/Hydrology	Depth to the regional aquifer in upper Los Alamos Canyon is about 900 ft bgs in the Puye Formation at R-7 in the upper portion of the canyon and 688 ft bgs in Santa Fe Group basalts at R-9 in the lower portion of upper Los Alamos Canyon (LANL 2002, 72717, LANL 2000, 71250).	Depth to the regional aquifer is known from several locations in Pueblo Canyon and ranges from approximately 890 ft bgs at R-2 in upper Pueblo Canyon to approximately 650 ft bgs at TW-1 in lower Pueblo Canyon. Historical data indicates that recharge pathways between alluvial groundwater and deeper zones of saturation exist beneath Pueblo Canyon. A discussion of the data is presented below.	Discussions of regional groundwater beneath lower Los Alamos Canyon are presented in a section of the monitoring plan that addresses San Ildefonso Pueblo and White Rock Canyon.
	Quality	No contaminants exceed regulatory standards.	No contaminants exceed regulatory standards.	
Contaminants	Potential Sources	TA-01, TA-02, TA-41, TA-21	TA-00, TA-01 and TA-45	

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Contaminants	Potential Sources	TA-01Hillsides 137, 138, and 140 received discharges from septic tank outfalls from 1943 until the late 1950s. Radionuclides are the primary contaminants at these hillside sites, although some metals contamination is also present. TA-02 housed a series of research nuclear reactors, including the Omega West Reactor, which was a source of tritium releases into alluvial groundwater. Other SWMUs at TA-02 include leach fields for water boiler reactors. Cesium-137 and strontium-90 are the primary contaminants associated with the leach fields, and strontium-90 has historically been detected in alluvial groundwater monitoring wells downcanyon of the site. TA-41 was used for weapons development and long-term studies of weapon subsystems. The primary contaminant sources are a septic system and a sewage treatment plant. Initial data from these SWMUs indicate radionuclides at levels above background, but characterization of TA-41 is incomplete. TA-21 was the site of a plutonium processing plant and polonium and tritium research laboratories. Outfalls were the primary source of radionuclide contaminants in DP and upper Los Alamos Canyons. Radionuclides, particularly cesium-137 and strontium-90, are the primary contaminants discharged from this outfall.		

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Contaminants	Potential Sources	TA-53 includes a proton accelerator and associated experimental and support buildings used for research with subatomic particles; it is the current site of the Los Alamos Neutron Science Center (LANSCE) (LANL 1994, 34756). The accelerator became fully operational in 1974. Occasional releases occurred from three surface impoundments at the east end of TA-53, referred to as consolidated unit 53-002(a)-99. These releases have contributed contamination to an unnamed tributary drainage to Los Alamos Canyon. The impoundments received sanitary, radioactive, and industrial wastewater from various TA-53 buildings as well as septic tank sludge from other Laboratory buildings. The northern impoundments were active from the early 1970s until 1993. The southern impoundment was active from 1985 until 1998. Inorganic chemicals, organic chemicals, and radionuclide contaminants have been identified at the impoundments and in the drainage (LANL 1998, 58841; LANL 2004).		

Table A-1 (continued)

Conceptual Model Element	Characteristic	Upper Los Alamos Canyon (including DP Canyon)	Pueblo Canyon (including Acid Canyon)	Lower Los Alamos Canyon
Contaminants	Potential Sources	SWMU 21-018(a), Material Disposal Area (MDA) V received liquid waste effluent from laundry operations and includes three absorption beds on the south side of DP Mesa that sometimes overflowed into Los Alamos Canyon (LANL 1991, 07529; LANL 1996, 54969). Sediment sampling in 1946 documented that plutonium from this source was entering the main channel in Los Alamos Canyon (Kingsley 1947, 04186). Additional outfalls that discharged off the south rim of DP Mesa include those from SWMUs 21-023(c), 21 -024(b), 21-024(c), 21-024(i), and 21-027(a) (LANL1991, 07529; LANL 1995, 52350). SWMU 21-029, the DP Tank Farm, was a fuel distribution station with above ground and underground fuel tanks from 1946 to 1985. Diesel range organic (DRO) and gasoline range organic (GRO) hydrocarbon contamination was identified at two areas of bedrock seeps in the DP Canyon channel and observed to periodically form a sheen in surface water adjacent to the site. (LANL 1996, 52270; LANL 2001, 71303; LANL 2001, 73436). The other MDAs at TA-21 are not considered to contribute important releases into the canyons.		

Appendix B

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

Table B-1
Field Parameter Monitoring Results

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
Acid above Pueblo	n/a	07/27/06	WS	Dissolved Oxygen	4.36	mg/L	FU060700P05601
Acid above Pueblo	n/a	07/27/06	WS	pH	6.13	SU	FU060700P05601
Acid above Pueblo	n/a	07/27/06	WS	Specific Conductance	390	uS/cm	FU060700P05601
Acid above Pueblo	n/a	07/27/06	WS	Temperature	9.8	C	FU060700P05601
Acid above Pueblo	n/a	07/27/06	WS	Turbidity	12.5	NTU	FU060700P05601
APCO-1	4.7	08/08/06	WG	Dissolved Oxygen	2.4	mg/L	FU060700G1PA01
APCO-1	4.7	05/09/05	WG	Dissolved Oxygen	2.3	mg/L	FU05050G1PA01
APCO-1	4.7	08/08/06	WG	Oxidation Reduction Potential	275.1	mV	FU060700G1PA01
APCO-1	4.7	08/08/06	WG	pH	7	SU	FU060700G1PA01
APCO-1	4.7	05/09/05	WG	pH	6.98	SU	FU05050G1PA01
APCO-1	4.7	10/06/04	WG	pH	6.87	SU	FU04090G1PA01
APCO-1	4.7	08/08/03	WG	pH	6.5	SU	FU03080G1PA01
APCO-1	4.7	08/08/06	WG	Specific Conductance	472	uS/cm	FU060700G1PA01
APCO-1	4.7	05/09/05	WG	Specific Conductance	668	uS/cm	FU05050G1PA01
APCO-1	4.7	10/06/04	WG	Specific Conductance	545	uS/cm	FU04090G1PA01
APCO-1	4.7	08/08/03	WG	Specific Conductance	546	uS/cm	FU03080G1PA01
APCO-1	4.7	08/08/06	WG	Temperature	16.6	C	FU060700G1PA01
APCO-1	4.7	05/09/05	WG	Temperature	10.3	C	FU05050G1PA01
APCO-1	4.7	10/06/04	WG	Temperature	13.9	C	FU04090G1PA01
APCO-1	4.7	08/08/03	WG	Temperature	17.3	C	FU03080G1PA01
APCO-1	4.7	08/08/06	WG	Turbidity	84.5	NTU	FU060700G1PA01
APCO-1	4.7	05/09/05	WG	Turbidity	3.25	NTU	FU05050G1PA01
APCO-1	4.7	10/06/04	WG	Turbidity	18.5	NTU	FU04090G1PA01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
APCO-1	4.7	08/08/03	WG	Turbidity	2.61	NTU	FU03080G1PA01
Basalt Spring	n/a	08/08/06	WG	Dissolved Oxygen	3.26	mg/L	FU060700GGSB01
Basalt Spring	n/a	08/08/06	WG	Oxidation Reduction Potential	19.5	mV	FU060700GGSB01
Basalt Spring	n/a	08/08/06	WG	pH	6.68	SU	FU060700GGSB01
Basalt Spring	n/a	05/11/05	WG	pH	8	SU	FU05050GGSB01
Basalt Spring	n/a	08/25/04	WG	pH	7.28	SU	FU04080GGSB01
Basalt Spring	n/a	07/22/03	WG	pH	6.82	SU	FU03070GGSB01
Basalt Spring	n/a	08/08/06	WG	Specific Conductance	481	uS/cm	FU060700GGSB01
Basalt Spring	n/a	05/11/05	WG	Specific Conductance	329	uS/cm	FU05050GGSB01
Basalt Spring	n/a	08/25/04	WG	Specific Conductance	490	uS/cm	FU04080GGSB01
Basalt Spring	n/a	07/22/03	WG	Specific Conductance	436	uS/cm	FU03070GGSB01
Basalt Spring	n/a	08/08/06	WG	Temperature	10.2	C	FU060700GGSB01
Basalt Spring	n/a	05/11/05	WG	Temperature	9.7	C	FU05050GGSB01
Basalt Spring	n/a	08/25/04	WG	Temperature	12	C	FU04080GGSB01
Basalt Spring	n/a	07/22/03	WG	Temperature	13.3	C	FU03070GGSB01
Basalt Spring	n/a	08/08/06	WG	Turbidity	3.34	NTU	FU060700GGSB01
Basalt Spring	n/a	05/11/05	WG	Turbidity	3.65	NTU	FU05050GGSB01
Basalt Spring	n/a	08/25/04	WG	Turbidity	8.93	NTU	FU04080GGSB01
Basalt Spring	n/a	07/22/03	WG	Turbidity	1.02	NTU	FU03070GGSB01
DP below Meadow at TA-21	n/a	07/26/06	WS	Dissolved Oxygen	5.28	mg/L	FU060700P03901
DP below Meadow at TA-21	n/a	07/26/06	WS	pH	7.42	SU	FU060700P03901
DP below Meadow at TA-21	n/a	07/26/06	WS	Specific Conductance	696	uS/cm	FU060700P03901
DP below Meadow at TA-21	n/a	07/26/06	WS	Temperature	17.5	C	FU060700P03901
DP below Meadow at TA-21	n/a	07/26/06	WS	Turbidity	1.36	NTU	FU060700P03901
DP Spring	n/a	05/06/05	WG	pH	7.68	SU	FU05050GSPD01
DP Spring	n/a	08/27/03	WG	pH	7.67	SU	FU03080GSPD01
DP Spring	n/a	05/06/05	WG	Specific Conductance	879	uS/cm	FU05050GSPD01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
DP Spring	n/a	08/27/03	WG	Specific Conductance	413	uS/cm	FU03080GSPD01
GU-0.01 Spring	n/a	08/08/06	WG	Dissolved Oxygen	4.91	mg/L	FU06070GGU0101
GU-0.01 Spring	n/a	08/08/06	WG	Oxidation Reduction Potential	7.4	mV	FU06070GGU0101
GU-0.01 Spring	n/a	08/08/06	WG	pH	6.93	SU	FU06070GGU0101
GU-0.01 Spring	n/a	08/08/06	WG	Specific Conductance	275	uS/cm	FU06070GGU0101
GU-0.01 Spring	n/a	08/08/06	WG	Temperature	19.5	C	FU06070GGU0101
GU-0.01 Spring	n/a	08/08/06	WG	Turbidity	4.87	NTU	FU06070GGU0101
LAO-0.3	5.9	07/31/06	WG	Dissolved Oxygen	4.55	mg/L	FU06070GLA0301
LAO-0.3	5.9	07/31/06	WG	Oxidation Reduction Potential	123.1	mV	FU06070GLA0301
LAO-0.3	5.9	07/31/06	WG	pH	7.01	SU	FU06070GLA0301
LAO-0.3	5.9	07/31/06	WG	Specific Conductance	339	uS/cm	FU06070GLA0301
LAO-0.3	5.9	07/31/06	WG	Temperature	11.9	C	FU06070GLA0301
LAO-0.3	5.9	07/31/06	WG	Turbidity	3.19	NTU	FU06070GLA0301
LAO-0.6	8	08/03/06	WG	Dissolved Oxygen	0.8	mg/L	FU06070GLA0601
LAO-0.6	8	08/03/06	WG	Oxidation Reduction Potential	405.3	mV	FU06070GLA0601
LAO-0.6	8	08/03/06	WG	pH	6.94	SU	FU06070GLA0601
LAO-0.6	8	08/03/06	WG	Specific Conductance	463	uS/cm	FU06070GLA0601
LAO-0.6	8	08/03/06	WG	Temperature	13.3	C	FU06070GLA0601
LAO-0.6	8	08/03/06	WG	Turbidity	8.19	NTU	FU06070GLA0601
LAO-1.6g	10.47	08/01/06	WG	Dissolved Oxygen	6.22	mg/L	FU060700G16G01
LAO-1.6g	10.47	05/04/05	WG	Dissolved Oxygen	5.65	mg/L	FU05050G16G01
LAO-1.6g	10.47	08/01/06	WG	Oxidation Reduction Potential	258.8	mV	FU060700G16G01
LAO-1.6g	10.47	08/01/06	WG	pH	6.58	SU	FU060700G16G01
LAO-1.6g	10.47	05/04/05	WG	pH	6.76	SU	FU05050G16G01
LAO-1.6g	10.47	08/01/06	WG	Specific Conductance	371	uS/cm	FU060700G16G01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
LAO-1.6g	10.47	05/04/05	WG	Specific Conductance	404	uS/cm	FU05050G16G01
LAO-1.6g	10.47	08/01/06	WG	Temperature	11	C	FU060700G16G01
LAO-1.6g	10.47	05/04/05	WG	Temperature	9.2	C	FU05050G16G01
LAO-1.6g	10.47	08/01/06	WG	Turbidity	1.57	NTU	FU060700G16G01
LAO-1.6g	10.47	05/04/05	WG	Turbidity	1.45	NTU	FU05050G16G01
LAO-2	7	07/27/06	WG	Dissolved Oxygen	16.9	mg/L	FU060700G2OL01
LAO-2	7	05/02/05	WG	Dissolved Oxygen	5.13	mg/L	FU05050G2OL01
LAO-2	7	07/27/06	WG	Oxidation Reduction Potential	276.4	mV	FU060700G2OL01
LAO-2	7	07/27/06	WG	pH	6.76	SU	FU060700G2OL01
LAO-2	7	05/02/05	WG	pH	6.92	SU	FU05050G2OL01
LAO-2	7	06/04/04	WG	pH	6.95	SU	FU04050G2OL01
LAO-2	7	09/19/03	WG	pH	6.74	SU	FU03090G2OL01
LAO-2	7	07/27/06	WG	Specific Conductance	379	uS/cm	FU060700G2OL01
LAO-2	7	05/02/05	WG	Specific Conductance	572	uS/cm	FU05050G2OL01
LAO-2	7	06/04/04	WG	Specific Conductance	516	uS/cm	FU04050G2OL01
LAO-2	7	09/19/03	WG	Specific Conductance	444	uS/cm	FU03090G2OL01
LAO-2	7	07/27/06	WG	Temperature	12	C	FU060700G2OL01
LAO-2	7	05/02/05	WG	Temperature	9.7	C	FU05050G2OL01
LAO-2	7	06/04/04	WG	Temperature	11.3	C	FU04050G2OL01
LAO-2	7	09/19/03	WG	Temperature	11.2	C	FU03090G2OL01
LAO-2	7	07/27/06	WG	Turbidity	8.77	NTU	FU060700G2OL01
LAO-2	7	05/02/05	WG	Turbidity	2.71	NTU	FU05050G2OL01
LAO-2	7	06/04/04	WG	Turbidity	1.65	NTU	FU04050G2OL01
LAO-2	7	09/19/03	WG	Turbidity	1.65	NTU	FU03090G2OL01
LAO-B	11.84	08/03/06	WG	Dissolved Oxygen	3.44	mg/L	FU060700GBAL01
LAO-B	11.84	05/10/05	WG	Dissolved Oxygen	5.7	mg/L	FU05050GBAL02
LAO-B	11.84	03/03/05	WG	Dissolved Oxygen	5.12	mg/L	FU05020GBAL01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
LAO-B	11.84	08/03/06	WG	Oxidation Reduction Potential	390.6	mV	FU060700GBAL01
LAO-B	11.84	08/03/06	WG	pH	7.23	SU	FU060700GBAL01
LAO-B	11.84	05/10/05	WG	pH	7.2	SU	FU05050GBAL02
LAO-B	11.84	03/03/05	WG	pH	7.48	SU	FU05020GBAL01
LAO-B	11.84	08/03/06	WG	Specific Conductance	177.1	uS/cm	FU060700GBAL01
LAO-B	11.84	05/10/05	WG	Specific Conductance	179.6	uS/cm	FU05050GBAL02
LAO-B	11.84	03/03/05	WG	Specific Conductance	184.2	uS/cm	FU05020GBAL01
LAO-B	11.84	08/03/06	WG	Temperature	12.6	C	FU060700GBAL01
LAO-B	11.84	05/10/05	WG	Temperature	6.8	C	FU05050GBAL02
LAO-B	11.84	03/03/05	WG	Temperature	5	C	FU05020GBAL01
LAO-B	11.84	08/03/06	WG	Turbidity	1.08	NTU	FU060700GBAL01
LAO-B	11.84	05/10/05	WG	Turbidity	2.48	NTU	FU05050GBAL02
LAOI(a)-1.1	295.2	08/04/06	WG	Dissolved Oxygen	9.78	mg/L	FU060700G11L01
LAOI(a)-1.1	295.2	05/07/05	WG	Dissolved Oxygen	7.42	mg/L	FU05050G11L01
LAOI(a)-1.1	295.2	03/07/05	WG	Dissolved Oxygen	7.4	mg/L	FU05030G11L02
LAOI(a)-1.1	295.2	03/04/05	WG	Dissolved Oxygen	15.25	mg/L	FU05020G11L01
LAOI(a)-1.1	295.2	08/04/06	WG	Oxidation Reduction Potential	367.1	mV	FU060700G11L01
LAOI(a)-1.1	295.2	08/04/06	WG	pH	9.06	SU	FU060700G11L01
LAOI(a)-1.1	295.2	05/07/05	WG	pH	7.46	SU	FU05050G11L01
LAOI(a)-1.1	295.2	03/07/05	WG	pH	8.27	SU	FU05030G11L02
LAOI(a)-1.1	295.2	08/04/06	WG	Specific Conductance	91.7	uS/cm	FU060700G11L01
LAOI(a)-1.1	295.2	05/07/05	WG	Specific Conductance	119.9	uS/cm	FU05050G11L01
LAOI(a)-1.1	295.2	03/07/05	WG	Specific Conductance	128.5	uS/cm	FU05030G11L02
LAOI(a)-1.1	295.2	08/04/06	WG	Temperature	11.1	C	FU060700G11L01
LAOI(a)-1.1	295.2	05/07/05	WG	Temperature	9.3	C	FU05050G11L01
LAOI(a)-1.1	295.2	03/07/05	WG	Temperature	9.5	C	FU05030G11L02

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
LAOI(a)-1.1	295.2	03/04/05	WG	Temperature	9.5	C	FU05020G11L01
LAOI(a)-1.1	295.2	08/04/06	WG	Turbidity	18.8	NTU	FU060700G11L01
LAOI(a)-1.1	295.2	05/07/05	WG	Turbidity	15.6	NTU	FU05050G11L01
LAOI(a)-1.1	295.2	06/03/04	WG	Turbidity	19.8	NTU	FU04050G11L01
LAOI-3.2	153.3	04/19/06	WG	Alkalinity-CO3+HCO3	90	mg/L	FU06040G32L01
LAOI-3.2	153.3	07/25/06	WG	Dissolved Oxygen	8.76	mg/L	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	Dissolved Oxygen	6.38	mg/L	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	Dissolved Oxygen	31.7	mg/L	FU05110G32L01
LAOI-3.2	153.3	04/19/06	WG	Iron	30	ug/L	FU06040G32L01
LAOI-3.2	153.3	07/25/06	WG	Oxidation Reduction Potential	173.6	mV	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	Oxidation Reduction Potential	127.5	mV	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	Oxidation Reduction Potential	76.7	mV	FU05110G32L01
LAOI-3.2	153.3	07/25/06	WG	pH	7.19	SU	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	pH	6.97	SU	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	pH	7.14	SU	FU05110G32L01
LAOI-3.2	153.3	07/25/06	WG	Specific Conductance	209	uS/cm	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	Specific Conductance	252	uS/cm	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	Specific Conductance	352	uS/cm	FU05110G32L01
LAOI-3.2	153.3	07/25/06	WG	Temperature	14.6	C	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	Temperature	14.3	C	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	Temperature	11.7	C	FU05110G32L01
LAOI-3.2	153.3	07/25/06	WG	Turbidity	1.38	NTU	FU060700G32L01
LAOI-3.2	153.3	04/19/06	WG	Turbidity	2.43	NTU	FU06040G32L01
LAOI-3.2	153.3	11/15/05	WG	Turbidity	1.64	NTU	FU05110G32L01
LAOI-7	240	05/09/06	WG	Alkalinity-CO3+HCO3	50	mg/L	FU06050LAOI701

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
LAOI-7	240	08/01/06	WG	Dissolved Oxygen	6.82	mg/L	FU06070LAOI701
LAOI-7	240	05/09/06	WG	Dissolved Oxygen	5.59	mg/L	FU06050LAOI701
LAOI-7	240	05/09/06	WG	Iron	0	ug/L	FU06050LAOI701
LAOI-7	240	08/01/06	WG	Oxidation Reduction Potential	174	mV	FU06070LAOI701
LAOI-7	240	05/09/06	WG	Oxidation Reduction Potential	4.43	mV	FU06050LAOI701
LAOI-7	240	08/01/06	WG	pH	7.05	SU	FU06070LAOI701
LAOI-7	240	05/09/06	WG	pH	6.97	SU	FU06050LAOI701
LAOI-7	240	08/01/06	WG	Specific Conductance	174.6	uS/cm	FU06070LAOI701
LAOI-7	240	05/09/06	WG	Specific Conductance	188.7	uS/cm	FU06050LAOI701
LAOI-7	240	08/01/06	WG	Temperature	14.4	C	FU06070LAOI701
LAOI-7	240	05/09/06	WG	Temperature	16.5	C	FU06050LAOI701
LAOI-7	240	08/01/06	WG	Turbidity	2.65	NTU	FU06070LAOI701
LAOI-7	240	05/09/06	WG	Turbidity	4.16	NTU	FU06050LAOI701
LAUZ-1	5.35	08/02/06	WG	Dissolved Oxygen	0.8	mg/L	FU060700G1ZL01
LAUZ-1	5.35	05/03/05	WG	Dissolved Oxygen	57.4	mg/L	FU05050G1ZL01
LAUZ-1	5.35	08/02/06	WG	Oxidation Reduction Potential	314.1	mV	FU060700G1ZL01
LAUZ-1	5.35	08/02/06	WG	pH	6.89	SU	FU060700G1ZL01
LAUZ-1	5.35	05/03/05	WG	pH	7.1	SU	FU05050G1ZL01
LAUZ-1	5.35	08/02/06	WG	Specific Conductance	735	uS/cm	FU060700G1ZL01
LAUZ-1	5.35	05/03/05	WG	Specific Conductance	1280	uS/cm	FU05050G1ZL01
LAUZ-1	5.35	08/02/06	WG	Temperature	14.6	C	FU060700G1ZL01
LAUZ-1	5.35	05/03/05	WG	Temperature	7.1	C	FU05050G1ZL01
LAUZ-1	5.35	08/02/06	WG	Turbidity	2.65	NTU	FU060700G1ZL01
LAUZ-1	5.35	05/03/05	WG	Turbidity	0.45	NTU	FU05050G1ZL01
LLAO-1b	11.32	08/09/06	WG	Dissolved Oxygen	7.8	mg/L	FU060700GB1L01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
LLAO-1b	11.32	05/11/05	WG	Dissolved Oxygen	4.45	mg/L	FU05050GB1L01
LLAO-1b	11.32	08/09/06	WG	Oxidation Reduction Potential	379.3	mV	FU060700GB1L01
LLAO-1b	11.32	08/09/06	WG	pH	6.68	SU	FU060700GB1L01
LLAO-1b	11.32	05/11/05	WG	pH	7.03	SU	FU05050GB1L01
LLAO-1b	11.32	08/09/06	WG	Specific Conductance	472	uS/cm	FU060700GB1L01
LLAO-1b	11.32	05/11/05	WG	Specific Conductance	467	uS/cm	FU05050GB1L01
LLAO-1b	11.32	08/09/06	WG	Temperature	15.2	C	FU060700GB1L01
LLAO-1b	11.32	05/11/05	WG	Temperature	11.1	C	FU05050GB1L01
LLAO-1b	11.32	08/09/06	WG	Turbidity	9.88	NTU	FU060700GB1L01
LLAO-1b	11.32	05/11/05	WG	Turbidity	0.75	NTU	FU05050GB1L01
LLAO-4	5.24	08/09/06	WG	Dissolved Oxygen	7.8	mg/L	FU060700G4LL01
LLAO-4	5.24	05/11/05	WG	Dissolved Oxygen	3.32	mg/L	FU05050G4LL01
LLAO-4	5.24	08/09/06	WG	Oxidation Reduction Potential	379.3	mV	FU060700G4LL01
LLAO-4	5.24	08/09/06	WG	pH	6.68	SU	FU060700G4LL01
LLAO-4	5.24	05/11/05	WG	pH	7.16	SU	FU05050G4LL01
LLAO-4	5.24	08/09/06	WG	Specific Conductance	472	uS/cm	FU060700G4LL01
LLAO-4	5.24	05/11/05	WG	Specific Conductance	442	uS/cm	FU05050G4LL01
LLAO-4	5.24	08/09/06	WG	Temperature	15.2	C	FU060700G4LL01
LLAO-4	5.24	05/11/05	WG	Temperature	14	C	FU05050G4LL01
LLAO-4	5.24	08/09/06	WG	Turbidity	9.88	NTU	FU060700G4LL01
LLAO-4	5.24	05/11/05	WG	Turbidity	0.25	NTU	FU05050G4LL01
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	Dissolved Oxygen	13.35	mg/L	FU060700P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/27/05	WM	Dissolved Oxygen	8.82	mg/L	FU05040P11001
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	Instantaneous Stream Flow	0.04	CFS	FN060700P11001

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	pH	8.35	SU	FU060700P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/27/05	WM	pH	7.78	SU	FU05040P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/20/05	WM	pH	7.54	SU	FU05030M11001
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	Specific Conductance	422	uS/cm	FU060700P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/27/05	WM	Specific Conductance	194.2	uS/cm	FU05040P11001
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	Temperature	27.5	C	FU060700P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/27/05	WM	Temperature	10.6	C	FU05040P11001
Los Alamos Canyon near Otowi Bridge	n/a	07/25/06	WP	Turbidity	1.53	NTU	FU060700P11001
Los Alamos Canyon near Otowi Bridge	n/a	04/27/05	WM	Turbidity	5.9	NTU	FU05040P11001
PAO-1	5.89	08/10/06	WG	Dissolved Oxygen	1.26	mg/L	FU06070G1OAP01
PAO-1	5.89	05/12/05	WG	Dissolved Oxygen	3.2	mg/L	FU0505G1OAP01
PAO-1	5.89	08/10/06	WG	Oxidation Reduction Potential	198.4	mV	FU06070G1OAP01
PAO-1	5.89	08/10/06	WG	pH	6.94	SU	FU06070G1OAP01
PAO-1	5.89	05/12/05	WG	pH	7.51	SU	FU0505G1OAP01
PAO-1	5.89	08/10/06	WG	Specific Conductance	333	uS/cm	FU06070G1OAP01
PAO-1	5.89	05/12/05	WG	Specific Conductance	349	uS/cm	FU0505G1OAP01
PAO-1	5.89	08/10/06	WG	Temperature	17	C	FU06070G1OAP01
PAO-1	5.89	05/12/05	WG	Temperature	11.2	C	FU0505G1OAP01
PAO-1	5.89	08/10/06	WG	Turbidity	10.7	NTU	FU06070G1OAP01
PAO-1	5.89	05/12/05	WG	Turbidity	13.3	NTU	FU0505G1OAP01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
PAO-2	6.06	08/10/06	WG	Dissolved Oxygen	5.4	mg/L	FU06070GPAO201
PAO-2	6.06	08/10/06	WG	Oxidation Reduction Potential	365.5	mV	FU06070GPAO201
PAO-2	6.06	08/10/06	WG	pH	6.91	SU	FU06070GPAO201
PAO-2	6.06	08/10/06	WG	Specific Conductance	269	uS/cm	FU06070GPAO201
PAO-2	6.06	08/10/06	WG	Temperature	17.9	C	FU06070GPAO201
PAO-2	6.06	08/10/06	WG	Turbidity	32.2	NTU	FU06070GPAO201
PAO-4	1.97	08/10/06	WG	Dissolved Oxygen	0.5	mg/L	FU06070G4OAP01
PAO-4	1.97	05/09/05	WG	Dissolved Oxygen	3	mg/L	FU0505G4OAP01
PAO-4	1.97	08/10/06	WG	Oxidation Reduction Potential	316.4	mV	FU06070G4OAP01
PAO-4	1.97	08/10/06	WG	pH	6.41	SU	FU06070G4OAP01
PAO-4	1.97	05/09/05	WG	pH	6.67	SU	FU0505G4OAP01
PAO-4	1.97	08/10/06	WG	Specific Conductance	617	uS/cm	FU06070G4OAP01
PAO-4	1.97	05/09/05	WG	Specific Conductance	577	uS/cm	FU0505G4OAP01
PAO-4	1.97	08/10/06	WG	Temperature	16.6	C	FU06070G4OAP01
PAO-4	1.97	05/09/05	WG	Temperature	10.2	C	FU0505G4OAP01
PAO-4	1.97	08/10/06	WG	Turbidity	2.79	NTU	FU06070G4OAP01
PAO-4	1.97	05/09/05	WG	Turbidity	1.3	NTU	FU0505G4OAP01
POI-4	159	08/08/06	WG	Dissolved Oxygen	8.47	mg/L	FU060700G4OP01
POI-4	159	05/07/05	WG	Dissolved Oxygen	6.28	mg/L	FU05050G4OP01
POI-4	159	03/08/05	WG	Dissolved Oxygen	6.45	mg/L	FU05020G4OP01
POI-4	159	08/08/06	WG	Oxidation Reduction Potential	208.4	mV	FU060700G4OP01
POI-4	159	08/08/06	WG	pH	7.19	SU	FU060700G4OP01
POI-4	159	05/07/05	WG	pH	7.47	SU	FU05050G4OP01
POI-4	159	03/08/05	WG	pH	7.4	SU	FU05020G4OP01
POI-4	159	06/24/04	WG	pH	7.38	SU	FU04060G4OP01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
POI-4	159	08/08/06	WG	Specific Conductance	561	uS/cm	FU060700G4OP01
POI-4	159	05/07/05	WG	Specific Conductance	578	uS/cm	FU05050G4OP01
POI-4	159	03/08/05	WG	Specific Conductance	555	uS/cm	FU05020G4OP01
POI-4	159	06/24/04	WG	Specific Conductance	560	uS/cm	FU04060G4OP01
POI-4	159	08/08/06	WG	Temperature	12.3	C	FU060700G4OP01
POI-4	159	05/07/05	WG	Temperature	13.3	C	FU05050G4OP01
POI-4	159	03/08/05	WG	Temperature	12.7	C	FU05020G4OP01
POI-4	159	06/24/04	WG	Temperature	13.4	C	FU04060G4OP01
POI-4	159	08/08/06	WG	Turbidity	0.74	NTU	FU060700G4OP01
POI-4	159	05/07/05	WG	Turbidity	0.39	NTU	FU05050G4OP01
POI-4	159	06/24/04	WG	Turbidity	0.25	NTU	FU04060G4OP01
POI-4	159	08/20/03	WG	Turbidity	0.83	NTU	FU03080G4OP01
Pueblo 3	n/a	07/28/06	WS	Dissolved Oxygen	0.16	mg/L	FU060700P3LP01
Pueblo 3	n/a	07/28/06	WS	Instantaneous Stream Flow	0.345	CFS	FN060700P3LP01
Pueblo 3	n/a	07/28/06	WS	pH	7.15	SU	FU060700P3LP01
Pueblo 3	n/a	06/09/04	WS	pH	7.3	SU	FU04060W3LP01
Pueblo 3	n/a	07/29/03	WS	pH	7.2	SU	FU03070W3LP01
Pueblo 3	n/a	07/28/06	WS	Specific Conductance	658	uS/cm	FU060700P3LP01
Pueblo 3	n/a	06/09/04	WS	Specific Conductance	704	uS/cm	FU04060W3LP01
Pueblo 3	n/a	07/29/03	WS	Specific Conductance	676	uS/cm	FU03070W3LP01
Pueblo 3	n/a	07/28/06	WS	Temperature	18	C	FU060700P3LP01
Pueblo 3	n/a	06/09/04	WS	Temperature	19.1	C	FU04060W3LP01
Pueblo 3	n/a	07/29/03	WS	Temperature	17.2	C	FU03070W3LP01
Pueblo 3	n/a	07/28/06	WS	Turbidity	32.1	NTU	FU060700P3LP01
Pueblo 3	n/a	06/09/04	WS	Turbidity	27	NTU	FU04060W3LP01
Pueblo 3	n/a	07/29/03	WS	Turbidity	8.06	NTU	FU03070W3LP01
Pueblo above SR-502	n/a	07/28/06	WP	Dissolved Oxygen	1	mg/L	FU060700P06001

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
Pueblo above SR-502	n/a	05/02/05	WS	Dissolved Oxygen	4.52	mg/L	FU05040P06001
Pueblo above SR-502	n/a	07/28/06	WP	pH	6.8	SU	FU060700P06001
Pueblo above SR-502	n/a	05/02/05	WS	pH	7.6	SU	FU05040P06001
Pueblo above SR-502	n/a	07/28/06	WP	Specific Conductance	651	uS/cm	FU060700P06001
Pueblo above SR-502	n/a	05/02/05	WS	Specific Conductance	649	uS/cm	FU05040P06001
Pueblo above SR-502	n/a	07/28/06	WP	Temperature	16.5	C	FU060700P06001
Pueblo above SR-502	n/a	05/02/05	WS	Temperature	10.2	C	FU05040P06001
Pueblo above SR-502	n/a	07/28/06	WP	Turbidity	11.8	NTU	FU060700P06001
Pueblo above SR-502	n/a	05/02/05	WS	Turbidity	45.6	NTU	FU05040P06001
R-2	918	02/27/06	WG	Alkalinity-CO3+HCO3	103	mg/L	FU06020G02R01
R-2	918	11/09/05	WG	Alkalinity-CO3+HCO3	56	mg/L	FU05110G02R01
R-2	918	08/09/05	WG	Alkalinity-CO3+HCO3	61	mg/L	FU05080G02R01
R-2	918	02/27/06	WG	Iron	130	ug/L	FU06020G02R01
R-2	918	11/09/05	WG	Iron	90	ug/L	FU05110G02R01
R-2	918	08/09/05	WG	Iron	250	ug/L	FU05080G02R01
R-2	918	02/27/06	WG	pH	7.46	SU	FU06020G02R01
R-2	918	11/09/05	WG	pH	7.43	SU	FU05110G02R01
R-2	918	08/09/05	WG	pH	7.39	SU	FU05080G02R01
R-2	918	02/27/06	WG	Specific Conductance	143.4	uS/cm	FU06020G02R01
R-2	918	11/09/05	WG	Specific Conductance	143.6	uS/cm	FU05110G02R01
R-2	918	08/09/05	WG	Specific Conductance	147.8	uS/cm	FU05080G02R01
R-24	825	05/10/06	WG	Alkalinity-CO3+HCO3	110	mg/L	FU060500GR2401
R-24	825	03/06/06	WG	Alkalinity-CO3+HCO3	117	mg/L	FU06020GR2401
R-24	825	07/27/06	WG	Dissolved Oxygen	10.31	mg/L	FU060700GR2401
R-24	825	05/10/06	WG	Dissolved Oxygen	1.82	mg/L	FU060500GR2401
R-24	825	03/06/06	WG	Dissolved Oxygen	1.31	mg/L	FU06020GR2401
R-24	825	11/15/05	WG	Dissolved Oxygen	2.32	mg/L	FU05110GR2401

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-24	825	05/10/06	WG	Iron	20	ug/L	FU060500GR2401
R-24	825	03/06/06	WG	Iron	0	ug/L	FU06020GR2401
R-24	825	07/27/06	WG	Oxidation Reduction Potential	-10.9	mV	FU060700GR2401
R-24	825	05/10/06	WG	Oxidation Reduction Potential	203.4	mV	FU060500GR2401
R-24	825	03/06/06	WG	Oxidation Reduction Potential	71.1	mV	FU06020GR2401
R-24	825	11/15/05	WG	Oxidation Reduction Potential	70.3	mV	FU05110GR2401
R-24	825	07/27/06	WG	pH	7.86	SU	FU060700GR2401
R-24	825	05/10/06	WG	pH	7.74	SU	FU060500GR2401
R-24	825	03/06/06	WG	pH	7.66	SU	FU06020GR2401
R-24	825	11/15/05	WG	pH	7.82	SU	FU05110GR2401
R-24	825	07/27/06	WG	Specific Conductance	252	uS/cm	FU060700GR2401
R-24	825	05/10/06	WG	Specific Conductance	292	uS/cm	FU060500GR2401
R-24	825	03/06/06	WG	Specific Conductance	300	uS/cm	FU06020GR2401
R-24	825	11/15/05	WG	Specific Conductance	277	uS/cm	FU05110GR2401
R-24	825	07/27/06	WG	Temperature	28.7	C	FU060700GR2401
R-24	825	05/10/06	WG	Temperature	28.1	C	FU060500GR2401
R-24	825	03/06/06	WG	Temperature	28.7	C	FU06020GR2401
R-24	825	11/15/05	WG	Temperature	26.2	C	FU05110GR2401
R-24	825	07/27/06	WG	Turbidity	0.67	NTU	FU060700GR2401
R-24	825	05/10/06	WG	Turbidity	4.05	NTU	FU060500GR2401
R-24	825	03/06/06	WG	Turbidity	0.97	NTU	FU06020GR2401
R-24	825	11/15/05	WG	Turbidity	0.77	NTU	FU05110GR2401
R-4	792.9	02/28/06	WG	Alkalinity-CO3+HCO3	73	mg/L	FU06020G04R01
R-4	792.9	11/14/05	WG	Alkalinity-CO3+HCO3	63.5	mg/L	FU05110G04R01
R-4	792.9	08/08/05	WG	Alkalinity-CO3+HCO3	52	mg/L	FU05080G04R02

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-4	792.9	07/25/06	WG	Dissolved Oxygen	5.08	mg/L	FU060700G04R01
R-4	792.9	02/28/06	WG	Dissolved Oxygen	1.54	mg/L	FU06020G04R01
R-4	792.9	11/14/05	WG	Dissolved Oxygen	4.01	mg/L	FU05110G04R01
R-4	792.9	08/08/05	WG	Dissolved Oxygen	3.57	mg/L	FU05080G04R02
R-4	792.9	04/27/05	WG	Dissolved Oxygen	6.33	mg/L	FN05040G04R01
R-4	792.9	07/25/06	WG	Oxidation Reduction Potential	180.9	mV	FU060700G04R01
R-4	792.9	02/28/06	WG	Oxidation Reduction Potential	3.57	mV	FU06020G04R01
R-4	792.9	11/14/05	WG	Oxidation Reduction Potential	93.2	mV	FU05110G04R01
R-4	792.9	08/08/05	WG	Oxidation Reduction Potential	42.6	mV	FU05080G04R02
R-4	792.9	04/27/05	WG	Oxidation Reduction Potential	131	mV	FN05040G04R01
R-4	792.9	07/25/06	WG	pH	7.9	SU	FU060700G04R01
R-4	792.9	02/28/06	WG	pH	8.29	SU	FU06020G04R01
R-4	792.9	11/14/05	WG	pH	7.96	SU	FU05110G04R01
R-4	792.9	08/08/05	WG	pH	7.95	SU	FU05080G04R02
R-4	792.9	04/27/05	WG	pH	7.71	SU	FN05040G04R01
R-4	792.9	07/25/06	WG	Specific Conductance	160.4	uS/cm	FU060700G04R01
R-4	792.9	02/28/06	WG	Specific Conductance	182.9	uS/cm	FU06020G04R01
R-4	792.9	11/14/05	WG	Specific Conductance	180.4	uS/cm	FU05110G04R01
R-4	792.9	08/08/05	WG	Specific Conductance	172.6	uS/cm	FU05080G04R02
R-4	792.9	04/27/05	WG	Specific Conductance	187.5	uS/cm	FN05040G04R01
R-4	792.9	07/25/06	WG	Temperature	25.4	C	FU060700G04R01
R-4	792.9	02/28/06	WG	Temperature	23.5	C	FU06020G04R01
R-4	792.9	11/14/05	WG	Temperature	24.8	C	FU05110G04R01
R-4	792.9	08/08/05	WG	Temperature	25.4	C	FU05080G04R02

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-4	792.9	04/27/05	WG	Temperature	25.15	C	FN05040G04R01
R-4	792.9	07/25/06	WG	Turbidity	0.12	NTU	FU060700G04R01
R-4	792.9	02/28/06	WG	Turbidity	0.32	NTU	FU06020G04R01
R-4	792.9	11/14/05	WG	Turbidity	0.13	NTU	FU05110G04R01
R-4	792.9	08/08/05	WG	Turbidity	0.19	NTU	FU05080G04R02
R-4	792.9	04/27/05	WG	Turbidity	0	NTU	FN05040G04R01
R-5	329.5	04/28/04	WG	pH	8.02	SU	FN0404G05R101
R-5	383.9	07/25/06	WG	pH	7.87	SU	FU06070G05R201
R-5	383.9	05/02/05	WG	pH	7.69	SU	FU0504G05R201
R-5	718.6	07/26/06	WG	pH	8.12	SU	FU06070G05R301
R-5	718.6	05/03/05	WG	pH	7.87	SU	FU0504G05R301
R-5	860.9	07/27/06	WG	pH	7.53	SU	FU06070G05R401
R-5	860.9	05/05/05	WG	pH	7.7	SU	FU0504G05R401
R-5	329.5	04/28/04	WG	Specific Conductance	254	uS/cm	FN0404G05R101
R-5	383.9	07/25/06	WG	Specific Conductance	228	uS/cm	FU06070G05R201
R-5	383.9	05/02/05	WG	Specific Conductance	261	uS/cm	FU0504G05R201
R-5	718.6	07/26/06	WG	Specific Conductance	252	uS/cm	FU06070G05R301
R-5	718.6	05/03/05	WG	Specific Conductance	270	uS/cm	FU0504G05R301
R-5	860.9	07/27/06	WG	Specific Conductance	286	uS/cm	FU06070G05R401
R-5	860.9	05/05/05	WG	Specific Conductance	254	uS/cm	FU0504G05R401
R-5	329.5	04/28/04	WG	Temperature	19.3	C	FN0404G05R101
R-5	383.9	07/25/06	WG	Temperature	23.9	C	FU06070G05R201
R-5	383.9	05/02/05	WG	Temperature	16.1	C	FU0504G05R201
R-5	718.6	07/26/06	WG	Temperature	25.5	C	FU06070G05R301
R-5	718.6	05/03/05	WG	Temperature	19.5	C	FU0504G05R301
R-5	860.9	07/27/06	WG	Temperature	24	C	FU06070G05R401
R-5	860.9	05/05/05	WG	Temperature	22.1	C	FU0504G05R401

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-5	329.5	04/28/04	WG	Turbidity	0.07	NTU	FN0404G05R101
R-5	383.9	07/25/06	WG	Turbidity	0.24	NTU	FU06070G05R201
R-5	383.9	05/02/05	WG	Turbidity	0.1	NTU	FU0504G05R201
R-5	718.6	07/26/06	WG	Turbidity	0.24	NTU	FU06070G05R301
R-5	718.6	05/03/05	WG	Turbidity	0.25	NTU	FU0504G05R301
R-5	860.9	07/27/06	WG	Turbidity	1.18	NTU	FU06070G05R401
R-5	860.9	05/05/05	WG	Turbidity	0.5	NTU	FU0504G05R401
R-6	1205	05/11/06	WG	Alkalinity-CO3+HCO3	74	mg/L	FU060500G06R01
R-6	1205	03/01/06	WG	Alkalinity-CO3+HCO3	75	mg/L	FU06020G06R01
R-6	1205	11/17/05	WG	Alkalinity-CO3+HCO3	63	mg/L	FU05110G06R01
R-6	1205	07/26/06	WG	Dissolved Oxygen	3.8	mg/L	FU060700G06R01
R-6	1205	05/11/06	WG	Dissolved Oxygen	2.33	mg/L	FU060500G06R01
R-6	1205	03/01/06	WG	Dissolved Oxygen	2.93	mg/L	FU06020G06R01
R-6	1205	11/17/05	WG	Dissolved Oxygen	3.47	mg/L	FU05110G06R01
R-6	1205	05/11/06	WG	Iron	30	ug/L	FU060500G06R01
R-6	1205	03/01/06	WG	Iron	0	ug/L	FU06020G06R01
R-6	1205	11/17/05	WG	Iron	10	ug/L	FU05110G06R01
R-6	1205	07/26/06	WG	Oxidation Reduction Potential	225.9	mV	FU060700G06R01
R-6	1205	05/11/06	WG	Oxidation Reduction Potential	232.6	mV	FU060500G06R01
R-6	1205	03/01/06	WG	Oxidation Reduction Potential	252.1	mV	FU06020G06R01
R-6	1205	11/17/05	WG	Oxidation Reduction Potential	154.4	mV	FU05110G06R01
R-6	1205	07/26/06	WG	pH	8.35	SU	FU060700G06R01
R-6	1205	05/11/06	WG	pH	8.43	SU	FU060500G06R01
R-6	1205	03/01/06	WG	pH	8.2	SU	FU06020G06R01
R-6	1205	11/17/05	WG	pH	8.17	SU	FU05110G06R01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-6	1205	07/26/06	WG	Specific Conductance	152.8	uS/cm	FU060700G06R01
R-6	1205	05/11/06	WG	Specific Conductance	156.3	uS/cm	FU060500G06R01
R-6	1205	03/01/06	WG	Specific Conductance	156.4	uS/cm	FU06020G06R01
R-6	1205	11/17/05	WG	Specific Conductance	162.2	uS/cm	FU05110G06R01
R-6	1205	07/26/06	WG	Temperature	22.7	C	FU060700G06R01
R-6	1205	05/11/06	WG	Temperature	22.1	C	FU060500G06R01
R-6	1205	03/01/06	WG	Temperature	20.8	C	FU06020G06R01
R-6	1205	11/17/05	WG	Temperature	22.3	C	FU05110G06R01
R-6	1205	07/26/06	WG	Turbidity	0.8	NTU	FU060700G06R01
R-6	1205	05/11/06	WG	Turbidity	2.7	NTU	FU060500G06R01
R-6	1205	03/01/06	WG	Turbidity	1.35	NTU	FU06020G06R01
R-6	1205	11/17/05	WG	Turbidity	0.89	NTU	FU05110G06R01
R-6i	602	05/11/06	WG	Alkalinity-CO3+HCO3	77	mg/L	FU060500G6IR01
R-6i	602	03/01/06	WG	Alkalinity-CO3+HCO3	80	mg/L	FU06020G6IR01
R-6i	602	08/24/05	WG	Alkalinity-CO3+HCO3	75	mg/L	FU05080G6IR01
R-6i	602	07/26/06	WG	Dissolved Oxygen	6.27	mg/L	FU060700G6IR01
R-6i	602	05/11/06	WG	Dissolved Oxygen	5.43	mg/L	FU060500G6IR01
R-6i	602	03/01/06	WG	Dissolved Oxygen	5.17	mg/L	FU06020G6IR01
R-6i	602	11/17/05	WG	Dissolved Oxygen	5.8	mg/L	FU05110G6IR01
R-6i	602	05/11/06	WG	Iron	90	ug/L	FU060500G6IR01
R-6i	602	03/01/06	WG	Iron	90	ug/L	FU06020G6IR01
R-6i	602	07/26/06	WG	Oxidation Reduction Potential	120.8	mV	FU060700G6IR01
R-6i	602	05/11/06	WG	Oxidation Reduction Potential	90.6	mV	FU060500G6IR01
R-6i	602	03/01/06	WG	Oxidation Reduction Potential	120.1	mV	FU06020G6IR01
R-6i	602	11/17/05	WG	Oxidation Reduction Potential	100.8	mV	FU05110G6IR01

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-6i	602	07/26/06	WG	pH	7.36	SU	FU060700G6IR01
R-6i	602	05/11/06	WG	pH	7.2	SU	FU060500G6IR01
R-6i	602	03/01/06	WG	pH	7.34	SU	FU06020G6IR01
R-6i	602	11/17/05	WG	pH	7.23	SU	FU05110G6IR01
R-6i	602	07/26/06	WG	Specific Conductance	256	uS/cm	FU060700G6IR01
R-6i	602	05/11/06	WG	Specific Conductance	257	uS/cm	FU060500G6IR01
R-6i	602	03/01/06	WG	Specific Conductance	265	uS/cm	FU06020G6IR01
R-6i	602	11/17/05	WG	Specific Conductance	270	uS/cm	FU05110G6IR01
R-6i	602	07/26/06	WG	Temperature	18.6	C	FU060700G6IR01
R-6i	602	05/11/06	WG	Temperature	17.9	C	FU060500G6IR01
R-6i	602	03/01/06	WG	Temperature	17.5	C	FU06020G6IR01
R-6i	602	11/17/05	WG	Temperature	17.4	C	FU05110G6IR01
R-6i	602	07/26/06	WG	Turbidity	1.03	NTU	FU060700G6IR01
R-6i	602	05/11/06	WG	Turbidity	1.71	NTU	FU060500G6IR01
R-6i	602	03/01/06	WG	Turbidity	2.04	NTU	FU06020G6IR01
R-6i	602	11/17/05	WG	Turbidity	2.47	NTU	FU05110G6IR01
R-7	378	08/05/02	WG	pH	7.3	SU	FU0207G07R101
R-7	915.1	07/31/06	WG	pH	6.85	SU	FU06070G07R301
R-7	915.1	04/26/05	WG	pH	7.09	SU	FU0504G07R301
R-7	378	08/05/02	WG	Specific Conductance	93	uS/cm	FU0207G07R101
R-7	915.1	07/31/06	WG	Specific Conductance	106.3	uS/cm	FU06070G07R301
R-7	915.1	04/26/05	WG	Specific Conductance	108.3	uS/cm	FU0504G07R301
R-7	378	08/05/02	WG	Temperature	16.9	C	FU0207G07R101
R-7	915.1	07/31/06	WG	Temperature	18.2	C	FU06070G07R301
R-7	915.1	04/26/05	WG	Temperature	15.5	C	FU0504G07R301
R-7	915.1	08/06/02	WG	Temperature	18.2	C	FU0207G07R301
R-7	378	08/05/02	WG	Turbidity	0.83	NTU	FU0207G07R101

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-7	915.1	07/31/06	WG	Turbidity	0.99	NTU	FU06070G07R301
R-7	915.1	04/26/05	WG	Turbidity	1.25	NTU	FU0504G07R301
R-7	915.1	08/06/02	WG	Turbidity	3.95	NTU	FU0207G07R301
R-8	711.1	08/01/06	WG	pH	8.3	SU	FU06070G08R101
R-8	711.1	04/27/05	WG	pH	8.3	SU	FU0504G08R101
R-8	825	08/02/06	WG	pH	9.09	SU	FU06070G08R201
R-8	825	04/28/05	WG	pH	9.26	SU	FU0504G08R201
R-8	711.1	08/01/06	WG	Specific Conductance	126.2	uS/cm	FU06070G08R101
R-8	711.1	04/27/05	WG	Specific Conductance	149.5	uS/cm	FU0504G08R101
R-8	825	08/02/06	WG	Specific Conductance	151.6	uS/cm	FU06070G08R201
R-8	825	04/28/05	WG	Specific Conductance	183.5	uS/cm	FU0504G08R201
R-8	711.1	08/01/06	WG	Temperature	22.5	C	FU06070G08R101
R-8	711.1	04/27/05	WG	Temperature	19.9	C	FU0504G08R101
R-8	825	08/02/06	WG	Temperature	24.2	C	FU06070G08R201
R-8	825	04/28/05	WG	Temperature	19.2	C	FU0504G08R201
R-8	711.1	08/01/06	WG	Turbidity	0.15	NTU	FU06070G08R101
R-8	711.1	04/27/05	WG	Turbidity	0.13	NTU	FU0504G08R101
R-8	825	08/02/06	WG	Turbidity	0.22	NTU	FU06070G08R201
R-8	825	04/28/05	WG	Turbidity	0.75	NTU	FU0504G08R201
R-9	684	04/28/05	WG	pH	7.8	SU	FU05040G09R02
R-9	684	04/06/05	WG	pH	8.15	SU	FU05040G09R01
R-9	684	03/19/05	WG	pH	8.28	SU	FU05030G09R01
R-9	684	04/28/05	WG	Specific Conductance	257.9	uS/cm	FU05040G09R02
R-9	684	04/06/05	WG	Specific Conductance	254	uS/cm	FU05040G09R01
R-9	684	03/19/05	WG	Specific Conductance	256	uS/cm	FU05030G09R01
R-9i	278.8	08/10/06	WG	pH	7.27	SU	FU06070G9iR201
R-9i	278.8	08/10/06	WG	Turbidity	0.49	NTU	FU06070G9iR201

Table B-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample
R-9i	278.8	08/10/06	WG	Specific Conductance	183.7	uS/cm	FU06070G9iR201
R-9i	198.8	08/10/06	WG	pH	7.23	SU	FU06070G9iR101
R-9i	278.8	08/10/06	WG	Temperature	17	C	FU06070G9iR201
R-9i	198.8	08/10/06	WG	Temperature	17.6	C	FU06070G9iR101
R-9i	198.8	08/10/06	WG	Specific Conductance	282	uS/cm	FU06070G9iR101
R-9i	198.8	08/10/06	WG	Turbidity	0.2	NTU	FU06070G9iR101

[a] n/a = Not applicable.
[b] WP = Persistent Water—Flowing water that is present as a result of storm runoff, snow melt, effluent, or base flow.
[c] NTU = nephelometric turbidity unit.
[d] SU = standard unit.
[e] WG = Ground Water—Includes water that is pumped by wells and flows out through springs.
[f] WS = Base Flow—Persistent stream flow, but not necessarily perennial water. This stream flow is present for periods of weeks or longer. The water source may be effluent discharge or shallow groundwater that discharges in canyons.

Appendix C

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

Table C-1
Groundwater Level Measurements

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
APCO-1	4.7	10	4.7	14.7	2	2.5	Transducer	8/8/2006	6364.41
APCO-1	4.7	10	4.7	14.7	2	2.5	Transducer	05/09/05	6363.25
APCO-1	4.7	10	4.7	14.7	2	2.5	Transducer	06/20/94	6361.93
APCO-1	4.7	10	4.7	14.7	2	2.5	Manual	05/11/06	6362.72
APCO-1	4.7	10	4.7	14.7	2	2.5	Manual	05/09/06	6363.22
APCO-1	4.7	10	4.7	14.7	2	2.5	Manual	02/16/06	6363.51
LAO-0.3	5.9	5	5.9	10.9	4	4.5	Transducer	07/31/06	6959.06
LAO-0.3	5.9	5	5.9	10.9	4	4.5	Manual	08/01/06	6959.02
LAO-0.3	5.9	5	5.9	10.9	4	4.5	Manual	04/04/06	6959.53
LAO-0.3	5.9	5	5.9	10.9	4	4.5	Manual	01/25/06	6960.03
LAO-0.3	5.9	5	5.9	10.9	4	4.5	Manual	01/11/06	6960.34
LAO-0.6	8	5	8	13	4	4.5	Transducer	08/03/06	6904.76
LAO-0.6	8	5	8	13	4	4.5	Manual	08/03/06	6904.71
LAO-0.6	8	5	8	13	4	4.5	Manual	03/14/06	6904.19
LAO-0.6	8	5	8	13	4	4.5	Manual	03/10/06	6904.25
LAO-0.6	8	5	8	13	4	4.5	Manual	12/12/05	6905.81
LAO-1	8	20	8	28	3	3.5	Transducer	05/10/05	6831.11
LAO-1	8	20	8	28	3	3.5	Transducer	08/05/02	6827.17
LAO-1	8	20	8	28	3	3.5	Transducer	11/05/01	6825.91
LAO-1	8	20	8	28	3	3.5	Transducer	06/25/01	6828.73
LAO-1	8	20	8	28	3	3.5	Transducer	04/05/01	6830.77
LAO-1	8	20	8	28	3	3.5	Transducer	04/08/99	6827.02
LAO-1	8	20	8	28	3	3.5	Transducer	11/09/98	6831.46
LAO-1	8	20	8	28	3	3.5	Manual	08/07/06	6826.25

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
LAO-1	8	20	8	28	3	3.5	Manual	04/04/06	Dry above pump+K52
LAO-1	8	20	8	28	3	3.5	Manual	01/09/06	6825.12
LAO-1	8	20	8	28	3	3.5	Manual	10/25/05	6831.1
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	08/01/06	6642.71
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	05/04/05	6651.31
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	11/08/01	6641.56
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	06/19/01	6647.22
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	03/29/01	6652.01
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	10/05/00	6643.75
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Transducer	09/05/00	6642.11
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Manual	08/03/06	6642.78
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Manual	04/04/06	6640.47
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Manual	01/25/06	6641.31
LAO-1.6g	10.47	15	10.47	25.47	4	4.5	Manual	01/17/06	6641.42
LAO-1.8	8	10	8	18	3	3.5	Manual	08/08/06	Well is dry.
LAO-1.8	8	10	8	18	3	3.5	Manual	06/19/06	Well is dry.
LAO-1.8	8	10	8	18	3	3.5	Manual	06/14/06	Well is dry.
LAO-1.8	8	10	8	18	3	3.5	Manual	03/15/06	Well is dry.
LAO-2	7	25	7	32	3	3.5	Transducer	07/27/06	6578.5
LAO-2	7	25	7	32	3	3.5	Transducer	05/02/05	6582.16
LAO-2	7	25	7	32	3	3.5	Manual	07/31/06	6578.01
LAO-2	7	25	7	32	3	3.5	Manual	04/05/06	Dry above pump
LAO-2	7	25	7	32	3	3.5	Manual	04/04/06	Dry to top of pump
LAO-2	7	25	7	32	3	3.5	Manual	10/28/05	6580.14

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
LAO-3a	4.7	10	4.7	14.7	2	2.375	Transducer	08/01/06	6571.63
LAO-3a	4.7	10	4.7	14.7	2	2.375	Manual	08/03/06	6571.83
LAO-3a	4.7	10	4.7	14.7	2	2.375	Manual	04/04/06	6569.35
LAO-3a	4.7	10	4.7	14.7	2	2.375	Manual	01/09/06	6569.45
LAO-3a	4.7	10	4.7	14.7	2	2.375	Manual	10/28/05	6572.61
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Transducer	05/02/05	6451.27
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Transducer	11/06/01	6445.75
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Transducer	07/11/01	6446.83
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Transducer	06/26/01	6447.54
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Transducer	03/28/01	6450.74
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Manual	08/03/06	6439.69
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Manual	04/04/06	Dry above pump
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Manual	01/09/06	6446.91
LAO-4.5c	13.3	10	13.3	23.3	2	2.5	Manual	10/31/05	6445.62
LAO-5	5	20	5	25	3	3.5	Manual	08/03/06	Well is dry.
LAO-5	5	20	5	25	3	3.5	Manual	06/13/06	Dry, TD = 23.28 ft
LAO-5	5	20	5	25	3	3.5	Manual	03/14/06	6380.35
LAO-6	6	10	6	16	3	3.5	Manual	06/13/06	Dry, TD = 16.45 ft
LAO-6	6	10	6	16	3	3.5	Manual	04/19/06	Dry to top of pump
LAO-6	6	10	6	16	3	3.5	Manual	03/14/06	Well is dry.
LAO-6a	4.2	10	4.2	14.2	2	2.5	Transducer	05/14/98	6389.44
LAO-6a	4.2	10	4.2	14.2	2	2.5	Transducer	08/04/97	6385.52
LAO-6a	4.2	10	4.2	14.2	2	2.5	Manual	07/31/06	Dry above transducer

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
LAO-6a	4.2	10	4.2	14.2	2	2.5	Manual	06/12/06	Well is dry
LAO-6a	4.2	10	4.2	14.2	2	2.5	Manual	06/06/06	Well is dry
LAO-6a	4.2	10	4.2	14.2	2	2.5	Manual	03/01/06	Well is dry
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	08/03/06	7315.51
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	08/17/05	7316.01
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	05/10/05	7316.48
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	03/03/05	7316.36
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	10/27/04	7315.77
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	05/30/02	7315.51
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	03/26/02	7316.07
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	11/07/01	7314.75
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	06/28/01	7316.32
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	06/18/01	7316.39
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	03/29/01	7316.82
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	10/05/00	7315.74
LAO-B	11.84	15	11.84	26.84	4	4.5	Transducer	09/05/00	7314.57
LAO-B	11.84	15	11.84	26.84	4	4.5	Manual	08/08/06	7316.14
LAO-B	11.84	15	11.84	26.84	4	4.5	Manual	06/02/06	7315.71
LAO-B	11.84	15	11.84	26.84	4	4.5	Manual	05/24/06	7315.86
LAO-B	11.84	15	11.84	26.84	4	4.5	Manual	02/07/06	7315.96
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Transducer	08/07/06	6544
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Transducer	08/04/06	6544.26
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Transducer	05/07/05	6544.71
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Transducer	01/20/00	6543.91
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Manual	08/07/06	6543.98
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Manual	08/03/06	6544.29

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Manual	05/08/06	6544.77
LAOI(a)-1.1	295.2	9.8	295.2	305	3	3.5	Manual	02/06/06	6544.46
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Transducer	07/25/06	6483.02
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Transducer	04/19/06	6481.25
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Manual	08/01/06	6483.2
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Manual	05/09/06	6481.69
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Manual	11/21/05	6486.96
LAOI-3.2	153.3	9.5	153.3	162.8	2.1	3.5	Manual	11/08/05	6487.19
LAOI-7	240	19.6	240	259.6	3	3.5	Transducer	08/01/06	6234.65
LAOI-7	240	19.6	240	259.6	3	3.5	Manual	08/09/06	6234.52
LAOI-7	240	19.6	240	259.6	3	3.5	Manual	05/11/06	6236.09
LAOI-7	240	19.6	240	259.6	3	3.5	Manual	05/09/06	6236.16
LAOI-7	240	19.6	240	259.6	3	3.5	Manual	03/17/06	6237.03
LAUZ-1	5.35	5	5.35	10.35	0	0	Transducer	08/02/06	7030.3
LAUZ-1	5.35	5	5.35	10.35	0	0	Transducer	05/03/05	7029.87
LAUZ-1	5.35	5	5.35	10.35	0	0	Transducer	05/22/02	7027.68
LAUZ-1	5.35	5	5.35	10.35	0	0	Transducer	03/26/02	7027.83
LAUZ-1	5.35	5	5.35	10.35	0	0	Manual	08/08/06	7030.19
LAUZ-1	5.35	5	5.35	10.35	0	0	Manual	04/06/06	7029.47
LAUZ-1	5.35	5	5.35	10.35	0	0	Manual	01/05/06	7027.11
LAUZ-1	5.35	5	5.35	10.35	0	0	Manual	10/28/05	7029.95
LLAO-1b	11.32	10	11.32	21.32	4	4.5	Transducer	08/09/06	5839.36
LLAO-1b	11.32	10	11.32	21.32	4	4.5	Manual	06/19/06	5828.62
LLAO-1b	11.32	10	11.32	21.32	4	4.5	Manual	06/16/06	5828.84
LLAO-1b	11.32	10	11.32	21.32	4	4.5	Manual	06/14/06	5828.98
LLAO-4	5.24	10	5.24	15.24	4	4.5	Transducer	08/09/06	5508.62

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
LLAO-4	5.24	10	5.24	15.24	4	4.5	Manual	06/14/06	5507.73
LLAO-4	5.24	10	5.24	15.24	4	4.5	Manual	04/03/06	5509.14
LLAO-4	5.24	10	5.24	15.24	4	4.5	Manual	05/11/05	5510.22
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	08/10/06	6949.65
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	05/12/05	6949.54
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	10/27/04	6949.32
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	05/28/02	6945
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	10/30/01	6945.59
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	06/21/01	6945.61
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	04/04/01	6947.29
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	10/03/00	6945.47
PAO-1	5.89	5	5.89	10.89	4	4.5	Transducer	08/30/00	6946.53
PAO-1	5.89	5	5.89	10.89	4	4.5	Manual	06/07/06	6945.12
PAO-1	5.89	5	5.89	10.89	4	4.5	Manual	05/25/06	6945.54
PAO-1	5.89	5	5.89	10.89	4	4.5	Manual	02/16/06	6944.54
PAO-2	6.06	5	6.06	11.06	4	4.5	Transducer	08/10/06	6923.9
PAO-3	5.62	5	5.62	10.62	4	4.5	Transducer	05/10/05	6573.01
PAO-3	5.62	5	5.62	10.62	4	4.5	Transducer	10/27/04	6571.51
PAO-3	5.62	5	5.62	10.62	4	4.5	Transducer	04/04/01	6574.44
PAO-3	5.62	5	5.62	10.62	4	4.5	Manual	10/24/05	6571.43
PAO-3	5.62	5	5.62	10.62	4	4.5	Manual	05/10/05	6573.43
PAO-3	5.62	5	5.62	10.62	4	4.5	Manual	04/21/05	6573.27
PAO-3	5.62	5	5.62	10.62	4	4.5	Manual	08/08/02	6571.53
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	08/10/06	6435.3
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	05/09/05	6433.99
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	10/27/04	6433.98

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	05/23/02	6433.45
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	10/31/01	6433.83
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	06/21/01	6433.97
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	04/04/01	6434.23
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	10/04/00	6434.18
PAO-4	1.97	5	1.97	6.97	4	4.5	Transducer	08/31/00	6434.13
PAO-4	1.97	5	1.97	6.97	4	4.5	Manual	04/10/06	6433.83
PAO-4	1.97	5	1.97	6.97	4	4.5	Manual	01/05/06	6433.91
PAO-4	1.97	5	1.97	6.97	4	4.5	Manual	10/28/05	6433.88
POI-4	159	15	159	174	4	4.5	Transducer	08/08/06	6213.2
POI-4	159	15	159	174	4	4.5	Transducer	08/03/05	6212.64
POI-4	159	15	159	174	4	4.5	Transducer	05/07/05	6213.59
POI-4	159	15	159	174	4	4.5	Transducer	08/20/03	6211.81
POI-4	159	15	159	174	4	4.5	Transducer	08/19/03	6211.95
POI-4	159	15	159	174	4	4.5	Transducer	08/01/01	6213.34
POI-4	159	15	159	174	4	4.5	Manual	04/18/06	6213.61
POI-4	159	15	159	174	4	4.5	Manual	10/19/05	6213.12
POI-4	159	15	159	174	4	4.5	Manual	04/12/05	6213.54
R-2	918	23.12	906.45	929.57	4.5	5.27	Transducer	07/24/06	5871.58
R-2	918	23.12	906.45	929.57	4.5	5.27	Transducer	02/27/06	5871.88
R-2	918	23.12	906.45	929.57	4.5	5.27	Transducer	11/09/05	5872.02
R-2	918	23.12	906.45	929.57	4.5	5.27	Transducer	08/09/05	5872.33
R-2	918	23.12	906.45	929.57	4.5	5.27	Transducer	04/26/05	5872.74
R-2	918	23.12	906.45	929.57	4.5	5.27	Manual	04/18/06	5871.93
R-2	918	23.12	906.45	929.57	4.5	5.27	Manual	10/20/05	5872.13
R-2	918	23.12	906.45	929.57	4.5	5.27	Manual	04/21/05	5872.51

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
R-24	825	23	825	848	4.46	5.27	Transducer	07/27/06	5827.84
R-24	825	23	825	848	4.46	5.27	Transducer	05/10/06	5831.89
R-24	825	23	825	848	4.46	5.27	Transducer	03/06/06	5833.94
R-24	825	23	825	848	4.46	5.27	Manual	03/01/06	5833.99
R-24	825	23	825	848	4.46	5.27	Manual	02/27/06	5833.91
R-24	825	23	825	848	4.46	5.27	Manual	12/01/05	5833.58
R-4	792.9	23.1	792.9	816	4.5	5.27	Transducer	07/25/06	5831.43
R-4	792.9	23.1	792.9	816	4.5	5.27	Transducer	02/28/06	5833.75
R-4	792.9	23.1	792.9	816	4.5	5.27	Transducer	11/14/05	5832.79
R-4	792.9	23.1	792.9	816	4.5	5.27	Transducer	08/08/05	5831.78
R-4	792.9	23.1	792.9	816	4.5	5.27	Transducer	04/27/05	5834.02
R-4	792.9	23.1	792.9	816	4.5	5.27	Manual	05/17/06	5833.03
R-4	792.9	23.1	792.9	816	4.5	5.27	Manual	11/15/05	5832.64
R-4	792.9	23.1	792.9	816	4.5	5.27	Manual	10/20/05	5832.3
R-5	383.9	16	372.8	388.8	4.5	5.56	Transducer	07/25/06	6134.68
R-5	383.9	16	372.8	388.8	4.5	5.56	Transducer	05/02/05	6133.25
R-5	383.9	16	372.8	388.8	4.5	5.56	Transducer	09/27/04	6132.93
R-5	383.9	16	372.8	388.8	4.5	5.56	Transducer	04/28/04	6132.91
R-5	383.9	16	372.8	388.8	4.5	5.56	Transducer	02/23/04	6133.97
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	07/26/06	5767.64
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	05/03/05	5768.54
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	09/28/04	5768.84
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	04/30/04	5768.93
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	02/26/04	5770.31
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	11/14/01	5777.46
R-5	718.6	43.4	676.9	720.3	4.5	5.56	Transducer	11/13/01	5777.49

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	07/27/06	5746.17
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	05/05/05	5755.93
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	09/30/04	5760.22
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	05/04/04	5756.9
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	05/03/04	5757.04
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	02/19/04	5761.14
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	11/15/01	5759.07
R-5	860.9	5	858.7	863.7	4.5	5.56	Transducer	11/14/01	5759.18
R-6	1205	23	1205	1228	4.5	5	Transducer	07/26/06	5838.88
R-6	1205	23	1205	1228	4.5	5	Transducer	05/11/06	5839.44
R-6	1205	23	1205	1228	4.5	5	Transducer	03/01/06	5839.97
R-6	1205	23	1205	1228	4.5	5	Transducer	11/17/05	5839.48
R-6	1205	23	1205	1228	4.5	5	Manual	04/11/06	5840.02
R-6	1205	23	1205	1228	4.5	5	Manual	10/04/05	5839.46
R-6	1205	23	1205	1228	4.5	5	Manual	08/23/05	5839.94
R-6i	602	10	602	612	4.46	5.27	Transducer	07/26/06	6403.73
R-6i	602	10	602	612	4.46	5.27	Transducer	05/11/06	6403.49
R-6i	602	10	602	612	4.46	5.27	Transducer	03/01/06	6403.76
R-6i	602	10	602	612	4.46	5.27	Transducer	11/17/05	6403.71
R-6i	602	10	602	612	4.46	5.27	Manual	04/11/06	6403.71
R-6i	602	10	602	612	4.46	5.27	Manual	10/04/05	6403.9
R-6i	602	10	602	612	4.46	5.27	Manual	08/24/05	6403.84
R-7	378	16	363.2	379.2	4.5	5.5	Transducer	08/05/02	6405.1
R-7	378	16	363.2	379.2	4.5	5.5	Transducer	02/19/02	6405.24
R-7	378	16	363.2	379.2	4.5	5.5	Transducer	11/19/01	6405.56
R-7	378	16	363.2	379.2	4.5	5.5	Transducer	08/08/01	6404.01

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
R-7	378	16	363.2	379.2	4.5	5.5	Transducer	05/29/01	6405.47
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	07/31/06	5878.33
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	04/26/05	5879.12
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	05/26/04	5879.6
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	12/18/03	5880.76
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	08/06/02	5882.14
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	02/21/02	5882.12
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	02/20/02	5882.1
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	08/09/01	5881.2
R-7	915.1	41.9	895.5	937.4	4.5	5.5	Transducer	05/30/01	5882.86
R-8	711.1	50.39	705.31	755.7	4.5	5.56	Transducer	08/01/06	5852.78
R-8	711.1	50.39	705.31	755.7	4.5	5.56	Transducer	04/27/05	5855.13
R-8	825	7	821	828	4.5	5.56	Transducer	08/02/06	5832.08
R-8	825	7	821	828	4.5	5.56	Transducer	04/28/05	5835.29
R-8	825	7	821	828	4.5	5.56	Transducer	12/09/04	5836.21
R-8	825	7	821	828	4.5	5.56	Transducer	08/25/04	5835.38
R-8	825	7	821	828	4.5	5.56	Transducer	04/28/04	5839.93
R-8	825	7	821	828	4.5	5.56	Transducer	04/27/04	5839.95
R-8	825	7	821	828	4.5	5.56	Transducer	02/23/04	5838.75
R-8	825	7	821	828	4.5	5.56	Transducer	02/20/04	5838.66
R-9	684	65.5	683	748.5	4.5	5	Transducer	07/31/06	5692.14
R-9	684	65.5	683	748.5	4.5	5	Transducer	08/16/05	5692.23
R-9	684	65.5	683	748.5	4.5	5	Transducer	04/28/05	5692.52
R-9	684	65.5	683	748.5	4.5	5	Transducer	04/06/05	5692.19
R-9	684	65.5	683	748.5	4.5	5	Transducer	04/27/98	5695.88
R-9	684	65.5	683	748.5	4.5	5	Manual	02/06/06	5691.84

Table C-1 (continued)

Location	Port Depth (ft)	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)
R-9	684	65.5	683	748.5	4.5	5	Manual	11/09/05	5691.88
R-9	684	65.5	683	748.5	4.5	5	Manual	10/17/05	5691.95
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	08/10/06	6235.88
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	04/29/05	6239.42
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	06/02/04	6232.41
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	02/06/04	6229.88
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	08/02/02	6239.59
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	07/26/02	6239.41
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	09/05/01	6243.04
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	06/11/01	6245.1
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	02/20/01	6239.17
R-9i	198.8	10.4	189.1	199.5	5	5.563	Transducer	09/14/00	6240.67
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	08/10/06	6128.14
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	07/29/02	6130.89
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	09/06/01	6130.01
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	06/12/01	6131.35
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	02/21/01	6130.43
R-9i	278.8	10.7	269.6	280.3	5	5.563	Transducer	09/15/00	6131.19

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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
Acid above Pueblo	—[a]	7/27/2006	WS[b]	F[c]	CS[d]	—	Inorg[e]	310.1	Alkalinity-CO3+HCO3	—	68.7	—	—	0.725	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF[f]	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.2	—	—	0.725	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	6010	Calcium	—	11.1	—	—	0.036	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6010	Calcium	—	11.5	—	—	0.036	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	300	Chloride	—	72.9	—	—	0.66	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	300	Chloride	—	72.6	—	—	0.66	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	300	Fluoride	—	0.31	—	—	0.033	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	300	Fluoride	—	0.313	—	—	0.033	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	A2340	Hardness	—	32.4	—	—	0.085	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	A2340	Hardness	—	34.2	—	—	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
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	6010	Magnesium	—	1.13	—	—	0.085	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6010	Magnesium	—	1.3	—	—	0.085	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.656	—	—	0.014	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.65	—	—	0.014	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	314.0	Perchlorate	<[g]	4	—	—	4	µg/L	U[h]	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6850	Perchlorate	—	0.344	—	—	0.05	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	150.1	pH	—	7.02	—	—	0.01	SU[i]	H[j]	J[k]	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	150.1	pH	—	7.13	—	—	0.01	SU	H	J	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	6010	Potassium	—	3.67	—	—	0.05	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6010	Potassium	—	3.99	—	—	0.05	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	6010	Silicon Dioxide	—	23.2	—	—	0.032	mg/L	—	J-[l]	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6010	Silicon Dioxide	—	29	—	—	0.032	mg/L	—	J-	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	6010	Sodium	—	77.9	—	—	0.045	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	6010	Sodium	—	80.1	—	—	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
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	120.1	Specific Conductance	—	427	—	—	1	uS/cm	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	120.1	Specific Conductance	—	426	—	—	1	uS/cm	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	300	Sulfate	—	8.25	—	—	0.1	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	300	Sulfate	—	8.22	—	—	0.1	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	255	—	—	2.38	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	264	—	—	2.38	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.129	—	—	0.01	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.163	—	—	0.01	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.58	—	—	0.33	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.327	—	—	0.01	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.36	—	—	0.01	mg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Aluminum	—	390	—	—	68	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Aluminum	—	1660	—	—	68	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Barium	—	25	—	—	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
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Barium	—	29.6	—	—	1	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Boron	—	29.1	—	—	10	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Boron	—	30	—	—	10	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6020	Chromium	—	5	—	—	1	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6020	Chromium	—	4.7	—	—	1	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Iron	—	188	—	—	18	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Iron	—	824	—	—	18	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6020	Lead	—	0.84	—	—	0.5	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Manganese	—	5.8	—	—	2	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Molybdenum	—	2.5	—	—	2	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6020	Nickel	—	0.92	—	—	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
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6020	Silver	<	0.2	—	—	0.2	µg/L	U	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6020	Silver	—	0.21	—	—	0.2	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Strontium	—	62.9	—	—	1	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Strontium	—	65.7	—	—	1	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6020	Uranium	<	0.63	—	—	0.05	µg/L	—	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6020	Uranium	—	0.87	—	—	0.05	µg/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Met	6010	Vanadium	—	2.8	—	—	1	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Americium-241	—	0.0188	0.00744	0.0227	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Americium-241	—	0.051	0.0118	0.0253	—	pCi/L	—	J	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Cesium-137	—	1.93	1.52	5.81	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Cesium-137	—	-1.66	1.08	3.58	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Cobalt-60	—	-0.896	1.56	5.59	—	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
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	1.1	1.08	4.6	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	900	Gross alpha	—	1.06	0.494	1.42	—	pCi/L	U	J-, U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	900	Gross alpha	—	0.797	0.632	2.22	—	pCi/L	U	J-, U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	900	Gross beta	—	8.93	1.17	3.8	—	pCi/L	—	J	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	900	Gross beta	—	7.4	0.9	2.31	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Gross gamma	—	105	166	411	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Gross gamma	—	72.8	42.6	214	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Neptunium-237	—	2.93	6.56	23.1	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.69	7.62	26.6	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00173	0.0166	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00204	0.0196	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Plutonium-239/240	—	0.76	0.0493	0.0193	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Plutonium-239/240	—	1.4	0.0825	0.0229	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Potassium-40	—	21.2	9.27	55.3	—	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
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Potassium-40	—	29	13.5	58.5	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	901.1	Sodium-22	—	0.233	1.41	5.44	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	901.1	Sodium-22	—	0.442	0.973	4.04	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	905.0	Strontium-90	—	0.171	0.103	0.341	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	905.0	Strontium-90	—	0.0173	0.111	0.395	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Uranium-234	—	0.418	0.0433	0.0609	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Uranium-234	—	0.608	0.0543	0.0552	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Uranium-235/236	—	0.018	0.0109	0.0514	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0131	0.0114	0.0465	—	pCi/L	U	U	GELC
Acid above Pueblo	—	7/27/2006	WS	F	CS	—	Rad	H300	Uranium-238	—	0.216	0.0286	0.0648	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Rad	H300	Uranium-238	—	0.27	0.0313	0.0587	—	pCi/L	—	—	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Voa	8260	Chloroform	<	0.415	—	—	0.25	µg/L	J	J, U	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	FTB	Voa	8260	Chloroform	—	0.749	—	—	0.25	µg/L	J	J	GELC
Acid above Pueblo	—	7/27/2006	WS	UF	CS	—	Voa	8260	Trichloroethane [1,1,1-]	<	1	—	—	0.3	µg/L	U	UJ[m]	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
Acid above Pueblo	—	7/27/2006	WS	UF	CS	FTB	Voa	8260	Trichloroethane [1,1,1-]	—	0.326	—	—	0.3	µg/L	J	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	31.8	—	—	0.725	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	132	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	132	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	181	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	153	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	198	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	170	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	199	—	—	1.45	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	146	—	—	0.725	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.57	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.4	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.081	—	—	0.066	mg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	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
APCO-1	4.7	11/7/2001	WG	F	CS	NA[n]	Inorg	300	Bromide	—	0.252	—	—	0.02	mg/L	—	NQ[o]	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Inorg	300	Bromide	<	0.02	—	—	—	mg/L	U	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.077	—	—	0.066	mg/L	J	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6010	Calcium	—	21.2	—	—	0.036	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	28.6	—	—	0.036	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	6010	Calcium	—	30.7	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	30.9	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	6010	Calcium	—	22.4	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	6010	Calcium	—	22.8	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	22.7	—	—	0.036	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	29.2	—	—	0.036	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	30.4	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	31	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	11/7/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	38.7	—	—	0.038	mg/L	B[p]	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	67.2	—	—	0.89	mg/L	—	J-	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	300	Chloride	—	34.7	—	—	0.33	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	49.5	—	—	0.265	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	300	Chloride	—	45.7	—	—	0.322	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	300	Chloride	—	45.9	—	—	0.322	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	300	Chloride	—	48.2	—	—	0.161	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	300	Chloride	—	48.6	—	—	0.161	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	DUP	—	Inorg	300	Chloride	—	48	—	—	0.161	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	300	Chloride	—	35.3	—	—	0.33	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	UJ	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	9012	Cyanide (Total)	—	0.00368	—	—	0.0025	mg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	9012	Cyanide (Total)	—	0.00239	—	—	0.00172	mg/L	J	J+[q]	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	9012	Cyanide (Total)	—	0.003	—	—	0.00172	mg/L	J	—	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Inorg	9012	Cyanide (Total)	<	0.01	—	—	—	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00193	—	—	0.0015	mg/L	J	JN-[r]	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00495	—	—	0.00172	mg/L	J	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Inorg	9012	Cyanide (Total)	—	0.00404	—	—	0.00172	mg/L	J	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
APCO-1	4.7	6/27/2001	WG	UF	CS	NA	Inorg	9012	Cyanide (Total)	<	0.01	—	—	—	mg/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.616	—	—	0.033	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.583	—	—	0.03	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.462	—	—	0.0553	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	0.464	—	—	0.0553	mg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	300	Fluoride	—	0.319	—	—	0.0553	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	300	Fluoride	—	0.321	—	—	0.0553	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	DUP	—	Inorg	300	Fluoride	—	0.317	—	—	0.0553	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.605	—	—	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	72	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	95.3	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	200.7	Hardness	—	102	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	200.7	Hardness	—	73.9	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	200.7	Hardness	—	75.4	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	80.8	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	97.1	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	102	—	—	0.00554	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.62	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.77	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	6.25	—	—	0.00518	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	6.3	—	—	0.00518	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	6010	Magnesium	—	4.37	—	—	0.00518	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	6010	Magnesium	—	4.45	—	—	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.83	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.86	—	—	0.085	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.27	—	—	0.00518	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	6.4	—	—	0.00518	mg/L	—	—	GELC
APCO-1	4.7	11/7/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	8.34	—	—	0.0045	mg/L	B	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.01	—	—	0.014	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.61	—	—	0.003	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	11.6	—	—	0.03	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	11.7	—	—	0.03	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.18	—	—	0.01	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	2.26	—	—	0.01	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.24	—	—	0.014	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.135	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	8/8/2006	WG	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
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.0661	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	0.958	µg/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Inorg	300	Perchlorate	—	4	—	—	—	µg/L	J	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.68	—	—	0.01	SU	H	J	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	150.1	pH	—	6.52	—	—	—	SU	H	J	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	150.1	pH	—	6.51	—	—	—	SU	H	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	150.1	pH	—	6.41	—	—	0.01	SU	H	J	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	150.1	pH	—	6.4	—	—	0.01	SU	H	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.84	—	—	0.01	SU	H	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6010	Potassium	—	14.2	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6010	Potassium	—	14.7	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	6010	Potassium	—	13.6	—	—	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
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	13.8	—	—	0.0165	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	6010	Potassium	—	12.3	—	—	0.0165	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	6010	Potassium	—	12.5	—	—	0.0165	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	15.8	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	15.2	—	—	0.05	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	13.9	—	—	0.0165	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	14.2	—	—	0.0165	mg/L	—	—	GELC
APCO-1	4.7	11/7/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	13.5	—	—	0.0071	mg/L	B	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	70.4	—	—	0.032	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	65.6	—	—	0.032	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	74.4	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	74.9	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	63.6	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	63.7	—	—	0.0212	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
APCO-1	4.7	11/15/2002	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	62.2	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	106	—	—	0.032	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	75.5	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	74.7	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	62.9	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	63.5	—	—	0.0212	mg/L	—	—	GELC
APCO-1	4.7	4/3/2001	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	61.1	—	—	0.0133	mg/L	—	—	GELC
APCO-1	4.7	4/3/2001	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	60.1	—	—	0.0133	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	6010	Sodium	—	51.4	—	—	0.045	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	6010	Sodium	—	74.7	—	—	0.045	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	6010	Sodium	—	72.5	—	—	0.0144	mg/L	E	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	72.8	—	—	0.0144	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	6010	Sodium	—	78.6	—	—	0.0144	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	6010	Sodium	—	79.8	—	—	0.0144	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	53.1	—	—	0.045	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	77.4	—	—	0.045	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	72.2	—	—	0.0144	mg/L	E	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	73.7	—	—	0.0144	mg/L	—	—	GELC
APCO-1	4.7	11/7/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	74	—	—	0.0081	mg/L	B	J	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	467	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	636	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	9050	Specific Conductance	—	546	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	9050	Specific Conductance	—	547	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	9050	Specific Conductance	—	547	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	9050	Specific Conductance	—	545	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	460	—	—	1	uS/cm	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12.7	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	1.73	—	—	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
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	300	Sulfate	—	17.1	—	—	0.193	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	17.2	—	—	0.193	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	300	Sulfate	—	27	—	—	0.193	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	300	Sulfate	—	27	—	—	0.193	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	DUP	—	Inorg	300	Sulfate	—	26.9	—	—	0.193	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	13.5	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	331	—	—	2.38	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	390	—	—	2.38	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	394	—	—	3.07	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	391	—	—	3.07	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	369	—	—	3.07	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	391	—	—	3.07	mg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	384	—	—	3.07	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	419	—	—	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	6.61	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	15.4	—	—	0.1	mg/L	—	J	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	5.92	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	17	—	—	1.65	mg/L	—	—	GELC
APCO-1	4.7	11/7/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	6.99	—	—	0.041	mg/L	—	NQ	GEL
APCO-1	4.7	6/27/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	5.8	—	—	—	mg/L	—	NQ	PARA
APCO-1	4.7	8/8/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	5.63	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	5.96	—	—	0.1	mg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	21.6	—	—	2.28	mg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	6.5	—	—	1.91	mg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Inorg	160.2	Total Suspended Solids	—	7	—	—	1.91	mg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.87	—	—	0.73	mg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Inorg	160.2	Total Suspended Solids	—	2.69	—	—	0.733	mg/L	J	—	GELC
APCO-1	4.7	4/3/2001	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	3.2	—	—	1.4	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Aluminum	—	1770	—	—	68	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Aluminum	—	547	—	—	14.7	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Aluminum	—	569	—	—	14.7	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Aluminum	<	49.3	—	—	14.7	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Aluminum	<	42.2	—	—	14.7	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Aluminum	—	10400	—	—	68	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Aluminum	—	203	—	—	68	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Aluminum	—	1260	—	—	14.7	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Aluminum	—	1300	—	—	14.7	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Aluminum	<	121	—	—	14.7	µg/L	—	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Aluminum	<	66.7	—	—	14.7	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Arsenic	—	9	—	—	6	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	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
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Arsenic	—	8.4	—	—	2.24	µg/L	—	JN-	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Arsenic	—	7.01	—	—	2.24	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Arsenic	<	2.24	—	—	2.24	µg/L	U	UJ	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Arsenic	<	2.24	—	—	2.24	µg/L	U	UJ	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Arsenic	—	6.7	—	—	6	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Arsenic	—	3.6	—	—	2.24	µg/L	J	JN-	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Arsenic	—	5.87	—	—	2.24	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Arsenic	—	3.39	—	—	2.24	µg/L	B	JN-	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Arsenic	<	2.24	—	—	2.24	µg/L	U	UJ	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Barium	—	19.9	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Barium	—	20.2	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Barium	—	25.3	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Barium	—	25.6	—	—	0.222	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
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Barium	—	22	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Barium	—	21.2	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Barium	—	54.5	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Barium	—	52.3	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Barium	—	30	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Barium	—	30.9	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Barium	—	25.7	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Barium	—	27.3	—	—	0.222	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Boron	—	289	—	—	10	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Boron	—	277	—	—	10	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Boron	—	259	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Boron	—	263	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Boron	—	419	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Boron	—	413	—	—	4.88	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Boron	—	302	—	—	10	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Boron	—	270	—	—	10	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Boron	—	256	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Boron	—	262	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Boron	—	431	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Boron	—	420	—	—	4.88	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.12	—	—	0.1	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6020	Cadmium	—	0.12	—	—	0.1	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6020	Cadmium	—	0.2	—	—	0.04	µg/L	JN	J+	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6020	Cadmium	—	0.121	—	—	0.04	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6020	Cadmium	—	0.064	—	—	0.04	µg/L	B	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.2	—	—	0.1	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6020	Cadmium	—	0.14	—	—	0.1	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
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6020	Cadmium	—	0.12	—	—	0.04	µg/L	JN	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6020	Cadmium	—	0.104	—	—	0.04	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Met	6020	Cadmium	—	0.05	—	—	0.04	µg/L	B	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Cobalt	—	5.1	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Cobalt	—	7.3	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Cobalt	—	2.9	—	—	0.541	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Cobalt	—	2.23	—	—	0.541	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Cobalt	<	3.53	—	—	0.541	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Cobalt	<	3.47	—	—	0.541	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Cobalt	—	4.4	—	—	1	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Cobalt	—	6.1	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Cobalt	—	2.9	—	—	0.541	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
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Cobalt	—	2.43	—	—	0.541	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Cobalt	<	6	—	—	0.541	µg/L	—	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Cobalt	<	4	—	—	0.541	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Iron	—	1620	—	—	18	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Iron	—	1230	—	—	18	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Iron	—	489	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Iron	—	492	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Iron	—	1040	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Iron	—	871	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Iron	—	6880	—	—	18	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Iron	—	3050	—	—	18	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Iron	—	958	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Iron	—	974	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Iron	—	1450	—	—	12.6	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
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Iron	—	1350	—	—	12.6	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Lead	—	1.3	—	—	0.5	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6020	Lead	—	0.66	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6020	Lead	—	0.662	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6020	Lead	<	0.513	—	—	0.05	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6020	Lead	<	0.567	—	—	0.05	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Lead	—	7.5	—	—	0.5	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6020	Lead	—	0.68	—	—	0.5	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6020	Lead	—	1.2	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6020	Lead	—	1.1	—	—	0.05	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6020	Lead	<	0.878	—	—	0.05	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6020	Lead	<	0.625	—	—	0.05	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Met	6020	Lead	—	0.662	—	—	0.05	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Manganese	—	1810	—	—	2	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6020	Manganese	—	3670	—	—	1	µg/L	E	J	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Manganese	—	1560	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Manganese	—	1560	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Manganese	—	1120	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Manganese	—	1060	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Manganese	—	1990	—	—	2	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	3810	—	—	1	µg/L	E	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Manganese	—	1480	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Manganese	—	1510	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Manganese	—	1410	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Manganese	—	1330	—	—	0.296	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3.5	—	—	2	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	1.6	—	—	0.1	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
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Molybdenum	<	4.7	—	—	1.43	µg/L	J	U	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Molybdenum	—	3.17	—	—	1.43	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Molybdenum	—	2.93	—	—	1.43	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Molybdenum	—	3.18	—	—	1.43	µg/L	B	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	3.8	—	—	2	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	1.7	—	—	0.1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Molybdenum	<	2.8	—	—	1.43	µg/L	J	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Molybdenum	—	3.24	—	—	1.43	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Molybdenum	—	1.99	—	—	1.43	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Molybdenum	—	3.04	—	—	1.43	µg/L	B	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Nickel	—	8.3	—	—	0.5	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Nickel	<	8.3	—	—	1	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Nickel	—	5.7	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Nickel	—	6.84	—	—	0.69	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
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Nickel	—	5.17	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Nickel	—	7.11	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Nickel	—	9.7	—	—	0.5	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	6.7	—	—	1	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Nickel	—	6.3	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Nickel	—	6.45	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Nickel	—	7.4	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Nickel	—	7.73	—	—	0.69	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Silver	—	0.2	—	—	0.2	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Silver	<	0.835	—	—	0.835	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Silver	—	1.2	—	—	0.2	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Silver	<	0.835	—	—	0.835	µg/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Strontium	—	88.6	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Strontium	—	137	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Strontium	—	138	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Strontium	—	101	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Strontium	—	102	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Strontium	—	97.8	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	129	—	—	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
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Strontium	—	136	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Strontium	—	139	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Strontium	—	106	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Strontium	—	104	—	—	0.178	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Thallium	—	0.53	—	—	0.4	µg/L	J	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6020	Thallium	—	0.44	—	—	0.02	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.162	—	—	0.02	µg/L	J	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6020	Thallium	—	0.37	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6020	Thallium	<	0.143	—	—	0.02	µg/L	B	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.17	—	—	0.02	µg/L	J	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6020	Thallium	—	0.127	—	—	0.02	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
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6020	Thallium	<	0.095	—	—	0.02	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6020	Thallium	<	0.128	—	—	0.02	µg/L	B	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Met	6020	Thallium	—	0.079	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6020	Uranium	—	0.32	—	—	0.05	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6020	Uranium	<	0.31	—	—	0.02	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6020	Uranium	—	0.257	—	—	0.02	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6020	Uranium	—	0.109	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6020	Uranium	—	0.11	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	—	Met	6010	Uranium	<	15.6	—	—	15.6	µg/L	U	R[s]	GELC
APCO-1	4.7	11/15/2002	WG	F	CS	FD	Met	6010	Uranium	<	15.6	—	—	15.6	µg/L	U	R	GELC
APCO-1	4.7	11/15/2002	WG	F	DUP	—	Met	6010	Uranium	<	15.6	—	—	15.6	µg/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.69	—	—	0.05	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6020	Uranium	<	0.31	—	—	0.02	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6020	Uranium	—	0.269	—	—	0.02	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
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6020	Uranium	—	0.12	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6020	Uranium	—	0.123	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Met	6020	Uranium	—	0.117	—	—	0.02	µg/L	B	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Met	6010	Uranium	<	15.6	—	—	15.6	µg/L	U	R	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Met	6010	Uranium	<	15.6	—	—	15.6	µg/L	U	R	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Vanadium	—	9.9	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.8	—	—	1	µg/L	J	JN-	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Vanadium	<	7.4	—	—	0.606	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Vanadium	—	7.63	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Vanadium	—	10.2	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Vanadium	—	10.3	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Vanadium	—	18.2	—	—	1	µg/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	4.1	—	—	1	µg/L	J	JN-	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Vanadium	<	8.7	—	—	0.606	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
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	8.3	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Vanadium	—	9.79	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Vanadium	—	11.4	—	—	0.606	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Met	6010	Zinc	<	13.7	—	—	2	µg/L	—	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Met	6010	Zinc	—	15.5	—	—	2	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	F	CS	—	Met	6010	Zinc	<	9.2	—	—	0.883	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	F	DUP	—	Met	6010	Zinc	—	9.03	—	—	0.883	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	—	Met	6010	Zinc	—	8.37	—	—	0.883	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	F	CS	FD	Met	6010	Zinc	—	12.3	—	—	0.883	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Met	6010	Zinc	—	37.1	—	—	2	µg/L	—	J+	GELC
APCO-1	4.7	5/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	25.6	—	—	2	µg/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Met	6010	Zinc	<	12.2	—	—	0.883	µg/L	—	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Met	6010	Zinc	—	12.4	—	—	0.883	µg/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Met	6010	Zinc	—	12.3	—	—	0.883	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
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Met	6010	Zinc	—	9.89	—	—	0.883	µg/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0115	0.00775	0.0237	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Americium-241	—	-0.0246	0.0127	0.041	—	pCi/L	U	U	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.02	0.01	0.02	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.027	0.0135	0.012	—	pCi/L	LT	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0714	0.0144	0.0261	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0228	0.00863	0.036	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.0168	0.00943	0.033	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0254	0.00714	0.028	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Americium-241	—	0.025	0.00893	0.03	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.00956	0.00691	0.027	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0188	0.007	0.045	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Americium-241	—	0.0064	0.00828	0.046	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.0166	0.00716	0.051	—	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.239	1.24	4.59	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.658	0.719	2.29	—	pCi/L	U	U	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.18	0.65	2.3	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	2.5	3.55	5.5	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.423	1.16	4.08	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.693	3.35	3.69	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.577	2.44	4.25	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	0.998	1.3	4.68	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Cesium-137	—	1.61	1.78	6.84	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.76	1.01	3.49	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	-0.806	1.06	3.51	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Cesium-137	—	2.54	2.11	7.2	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.53	1.2	5.1	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.934	0.503	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
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.51	0.71	2.4	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	3.6	3.6	5.3	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.438	1.07	4.25	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.0348	1.09	3.8	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.863	1.27	4.83	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	0	2.57	5.73	—	pCi/L	UUI	R	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	3.55	1.95	8.43	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.66	1.15	3.7	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	1.53	1.2	4.47	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	3.6	1.96	8.29	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.17	0.775	2.41	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.582	0.414	1.51	—	pCi/L	U	U	GELC
APCO-1	4.7	4/3/2001	WG	F	CS	—	Rad	900	Gross alpha	—	1.03	0.64	2.02	—	pCi/L	U	U	GELC
APCO-1	4.7	4/3/2001	WG	F	DUP	—	Rad	900	Gross alpha	—	1.89	0.999	2.98	—	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	5.28	1.49	3.7	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	1.15	0.404	1.07	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	0.569	0.462	1.69	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.769	0.511	1.82	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	900	Gross alpha	—	1.1	0.613	2.13	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	900	Gross alpha	—	0.0686	0.458	1.96	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.816	0.497	1.82	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	900	Gross alpha	—	0.978	0.641	2.03	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	900	Gross beta	—	12.2	0.671	1.06	—	pCi/L	—	—	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	900	Gross beta	—	19.5	1.27	3.04	—	pCi/L	—	—	GELC
APCO-1	4.7	4/3/2001	WG	F	CS	—	Rad	900	Gross beta	—	18.7	1.64	2.98	—	pCi/L	—	J	GELC
APCO-1	4.7	4/3/2001	WG	F	DUP	—	Rad	900	Gross beta	—	17.6	1.64	3.32	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	900	Gross beta	—	15	0.783	1.31	—	pCi/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	900	Gross beta	—	12	0.484	0.855	—	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
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	900	Gross beta	—	6.28	0.832	2.42	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	900	Gross beta	—	4.9	0.454	1.12	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	900	Gross beta	—	5.14	0.695	1.82	—	pCi/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	900	Gross beta	—	13.8	0.998	2.58	—	pCi/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	900	Gross beta	—	15	1.03	2.65	—	pCi/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	900	Gross beta	—	13	1.07	3.04	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	80.6	94.2	389	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	70.1	48	201	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	105	86.9	307	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	63.1	123	266	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	112	222	440	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	131	120	506	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	110	116	450	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Gross gamma	—	80.4	91.7	251	—	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
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	70.5	82.4	325	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	156	327	608	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-11.3	10.3	32.2	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	4.46	5.22	17.7	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-13	13.5	23	—	pCi/L	U	U	PARA
APCO-1	4.7	4/3/2001	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-1.6	5.77	19.2	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.77	9.1	28.3	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-12.1	7.67	24.4	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	14.2	10.6	25.5	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-15.1	10.5	32.7	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	24.5	15.1	39.6	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.37	7.23	24.1	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-1.2	7.78	23.8	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	5.5	14	49.2	—	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
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00715	0.00414	0.0229	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0312	0.0181	0.054	—	pCi/L	U	U	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0	1	0.011	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.013	0.0105	0.034	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0029	0.00869	0.0278	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.0115	0.0234	0.06	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	-0.0142	0.0319	0.074	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0	0.00715	0.064	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Plutonium-238	—	0.00907	0.0111	0.081	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	0.0112	0.00647	0.066	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.00559	0.0119	0.071	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Plutonium-238	—	0.00435	0.00974	0.055	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	0.00863	0.016	0.073	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0691	0.014	0.0267	—	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
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.107	0.019	0.046	—	pCi/L	—	J	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.02	0.09	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.007	0.0085	0.03	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	1.5	0.0967	0.0324	—	pCi/L	—	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.15	0.0291	0.062	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.147	0.0358	0.076	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0536	0.0187	0.07	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Plutonium-239/240	—	0.0363	0.0193	0.088	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.0298	0.023	0.073	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	-0.00000000533	0.0172	0.062	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Plutonium-239/240	—	0.0544	0.0135	0.048	—	pCi/L	—	J	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.0661	0.0178	0.063	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	10.3	29.9	38.3	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	3.66	14.4	19.5	—	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
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	9.96	16	24	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-10	65	110	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	45.9	15.7	32.3	—	pCi/L	UI[t]	R	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	15.3	27.2	32.8	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	5.21	23.9	54.5	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	20.5	26.7	48.9	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Potassium-40	—	48.9	27.9	72.9	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.5	20.7	35.2	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	3.32	28.2	35.2	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Potassium-40	—	66.8	26.2	108	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-2.54	1.34	4.35	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.0592	0.634	2.27	—	pCi/L	U	U	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.49	0.67	2.5	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	1	4.1	6.6	—	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
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	2.77	0.767	3.93	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.362	1.01	3.58	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.937	1.12	3.95	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	0.887	1.27	4.63	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	901.1	Sodium-22	—	-4.05	1.5	4.16	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.0575	1.07	3.75	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-1.53	1.17	3.84	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	901.1	Sodium-22	—	-2.93	2.02	6.76	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.875	0.231	0.656	—	pCi/L	—	J	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.482	0.102	0.352	—	pCi/L	—	J	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.838	0.15	0.3	—	pCi/L	—	NQ	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	1.3	0.7	2.3	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.104	0.126	0.428	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.645	0.094	0.109	—	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
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.495	0.114	0.235	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	GFPC	Strontium-90	—	0.275	0.0733	0.21	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	0.489	0.114	0.236	—	pCi/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	1.16	0.181	0.24	—	pCi/L	—	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	GFPC	Strontium-90	—	0.716	0.136	0.324	—	pCi/L	—	J	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	0.667	0.0995	0.181	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.06	0.0316	0.114	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.35	0.0345	0.07	—	pCi/L	—	J	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.36	0.04	0.06	—	pCi/L	—	NQ	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.048	0.0245	0.076	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.259	0.0513	0.104	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.111	0.0189	0.075	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Uranium-234	—	0.152	0.021	0.072	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.0808	0.0164	0.058	—	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
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Uranium-234	—	0.0763	0.0182	0.07	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Uranium-234	—	0.0531	0.0149	0.058	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.172	0.0317	0.071	—	pCi/L	—	J	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Uranium-234	—	0.167	0.0381	0.095	—	pCi/L	—	J	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Uranium-234	—	0.199	0.037	0.086	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.0472	0.0205	0.096	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0181	0.0086	0.043	—	pCi/L	U	U	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.01	0.01	0.04	—	pCi/L	U	U	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.028	0.018	0.058	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.0555	0.0242	0.0878	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0105	0.00646	0.049	—	pCi/L	U	U	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.0152	0.00717	0.047	—	pCi/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0101	0.00624	0.033	—	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
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Uranium-235/236	—	0.00612	0.00969	0.04	—	pCi/L	U	U	GELC
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.00254	0.0122	0.034	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	-0.0115	0.0127	0.062	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Uranium-235/236	—	0.0153	0.0135	0.083	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.0463	0.015	0.075	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.06	0.0241	0.121	—	pCi/L	U	U	GELC
APCO-1	4.7	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.188	0.0238	0.05	—	pCi/L	—	J	GELC
APCO-1	4.7	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.19	0.03	0.0097	—	pCi/L	—	NQ	GELC
APCO-1	4.7	6/27/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.04	0.021	0.063	—	pCi/L	U	U	PARA
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.17	0.0396	0.111	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0891	0.0153	0.053	—	pCi/L	—	J	GELC
APCO-1	4.7	10/6/2004	WG	UF	DUP	—	Rad	AS	Uranium-238	—	0.102	0.0164	0.051	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0556	0.0129	0.037	—	pCi/L	—	J	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Rad	AS	Uranium-238	—	0.0397	0.0136	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
APCO-1	4.7	8/8/2003	WG	UF	DUP	—	Rad	AS	Uranium-238	—	0.0202	0.0114	0.037	—	pCi/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0879	0.0234	0.08	—	pCi/L	—	J	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Rad	AS	Uranium-238	—	0.0659	0.0248	0.106	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	DUP	—	Rad	AS	Uranium-238	—	0.116	0.0293	0.096	—	pCi/L	—	—	GELC
APCO-1	4.7	8/8/2006	WG	UF	CS	—	Voa	8260	Acetone	—	4.51	—	—	1.25	µg/L	J	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	10/6/2004	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FD	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	8/8/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FD	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.893	—	—	0.725	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	121	—	—	0.725	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	224	—	—	0.725	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Bromide	—	0.113	—	—	0.066	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Bromide	—	0.116	—	—	0.066	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Calcium	—	54.5	—	—	0.036	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Calcium	—	55.3	—	—	0.036	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Chloride	—	73.2	—	—	0.66	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Chloride	—	73.2	—	—	0.66	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Fluoride	—	1.17	—	—	0.033	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Fluoride	—	1.1	—	—	0.033	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	A2340	Hardness	—	156	—	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	A2340	Hardness	—	159	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Magnesium	—	4.94	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Magnesium	—	5.01	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.0265	—	—	0.014	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.014	—	—	0.014	mg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	150.1	pH	—	7.67	—	—	0.01	SU	H	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	150.1	pH	—	7.96	—	—	0.01	SU	H	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Potassium	—	15.2	—	—	0.05	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Potassium	—	15.5	—	—	0.05	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Silicon Dioxide	—	25.9	—	—	0.032	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Silicon Dioxide	—	26.5	—	—	0.032	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Sodium	—	89.8	—	—	0.045	mg/L	E	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Sodium	—	91.4	—	—	0.045	mg/L	E	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	120.1	Specific Conductance	—	766	—	—	1	uS/cm	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	120.1	Specific Conductance	—	764	—	—	1	uS/cm	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Sulfate	—	9.52	—	—	0.1	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Sulfate	—	9.55	—	—	0.1	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	438	—	—	2.38	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	430	—	—	2.38	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.248	—	—	0.01	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.406	—	—	0.01	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	9060	Total Organic Carbon	—	9.76	—	—	0.33	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.076	—	—	0.01	mg/L	—	J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.022	—	—	0.01	mg/L	J	J-, 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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Barium	—	160	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Barium	—	166	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Boron	—	66.2	—	—	10	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Boron	—	65.8	—	—	10	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Chromium	—	3.1	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Chromium	—	2.2	—	—	1	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Iron	—	40.8	—	—	18	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Iron	—	442	—	—	18	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Manganese	—	463	—	—	2	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Manganese	—	484	—	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Molybdenum	—	4.9	—	—	2	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Molybdenum	—	3.6	—	—	2	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Nickel	—	3.8	—	—	0.5	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Nickel	—	3.6	—	—	0.5	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Strontium	—	281	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Strontium	—	286	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Uranium	—	1.1	—	—	0.05	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Uranium	—	1.1	—	—	0.05	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Americium-241	—	0.00605	0.00515	0.0217	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Americium-241	—	0.0137	0.0066	0.0264	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Cesium-137	—	-0.632	1.04	3.72	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Cesium-137	—	-1.93	1.22	3.49	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Cobalt-60	—	0.264	0.926	3.52	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.379	1.33	4.22	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	900	Gross alpha	—	5.28	2.24	5.24	—	pCi/L	—	J, J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	900	Gross alpha	—	4.62	2.57	2.9	—	pCi/L	—	J, J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	900	Gross beta	—	214	5.1	2.96	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	900	Gross beta	—	239	5.56	3.66	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Gross gamma	—	46.8	51.8	170	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Gross gamma	—	57.7	66.6	292	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Neptunium-237	—	1.85	6.6	22.1	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.87	8.57	27.1	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Plutonium-238	—	-0.00409	0.00354	0.0196	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Plutonium-238	—	0.00175	0.00303	0.0168	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0102	0.00459	0.0229	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00699	0.00351	0.0196	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Potassium-40	—	14.2	15.8	39.6	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Potassium-40	—	31.3	26.5	33.5	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Sodium-22	—	-0.977	0.967	3.24	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Sodium-22	—	1.16	1.31	4.54	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	905.0	Strontium-90	—	88.5	1.43	0.313	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	905.0	Strontium-90	—	84.4	1.28	0.295	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-234	—	1.93	0.14	0.0635	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-234	—	2.16	0.169	0.0894	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-235/236	—	0.0828	0.0191	0.0536	—	pCi/L	—	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-235/236	—	0.101	0.0302	0.0754	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-238	—	0.402	0.0433	0.0676	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-238	—	0.437	0.0522	0.0951	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Voa	8260	Acetone	<	4.82	—	—	1.25	µg/L	J	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	FTB	Voa	8260	Acetone	—	1.72	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	88.8	—	—	0.725	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	1.45	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	1.45	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	86	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	98.9	—	—	0.725	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.052	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.051	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	12.2	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Calcium	—	27.7	—	—	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
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Calcium	—	20.6	—	—	0.00554	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	12.2	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	28	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Calcium	—	17.8	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	48.1	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Chloride	—	180	—	—	2.65	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Chloride	—	61	—	—	0.322	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Chloride	—	60	—	—	0.322	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Chloride	—	61.4	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Chloride	—	63	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	48.3	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	35	—	—	—	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
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	1.03	—	—	0.033	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.507	—	—	0.03	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Fluoride	—	0.848	—	—	0.0553	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Fluoride	—	0.859	—	—	0.0553	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.895	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Fluoride	—	1	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	1.05	—	—	0.033	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	1.1	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	36.7	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	80.5	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	200.7	Hardness	—	60.7	—	—	0.00554	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	A2340	Hardness	—	89.9	—	—	0.112	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	37.5	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	81.4	—	—	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
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	1.52	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	2.74	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Magnesium	—	2.27	—	—	0.00518	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	2.4	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	1.69	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.79	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	2.4	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Magnesium	—	1.96	—	—	—	mg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.498	—	—	0.014	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	511	—	—	1.5	mg/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.76	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.49	—	—	0.0069	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.452	—	—	0.014	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.31	—	—	—	mg/L	N	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
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.26	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.507	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.81	—	—	0.01	SU	H	J	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	150.1	pH	—	7.79	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	9040	pH	—	7.81	—	—	0.01	SU	H	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.9	—	—	—	SU	—	NQ	HUFFMAN
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.75	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	7.55	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Potassium	—	10.4	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Potassium	—	10.2	—	—	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	11	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	7.6	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	10.3	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	11	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Potassium	—	10.6	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	28.6	—	—	0.032	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	12.1	—	—	0.032	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	18.3	—	—	0.0212	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	12.4	—	—	0.0133	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	62.2	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Sodium	—	144	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Sodium	—	53.2	—	—	0.0144	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	40	—	—	—	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	61.5	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	146	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	40	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Sodium	—	33.2	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	366	—	—	1	uS/cm	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	789	—	—	1	uS/cm	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	9050	Specific Conductance	—	336	—	—	1	uS/cm	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	9050	Specific Conductance	—	555	—	—	1	uS/cm	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	368	—	—	1	uS/cm	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	7.46	—	—	0.1	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Sulfate	—	9.22	—	—	0.057	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Sulfate	—	7.96	—	—	0.193	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Sulfate	—	7.96	—	—	0.193	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.2	—	—	—	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
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Sulfate	—	9.15	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	7.44	—	—	0.1	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	6.6	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	—	3	—	—	1.43	mg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	<	2.28	—	—	2.28	mg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	247	—	—	2.38	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	455	—	—	2.38	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	241	—	—	3.07	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	3.07	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	321	—	—	5.09	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	263	—	—	2.38	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.124	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.166	—	—	0.01	mg/L	—	JN-	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.132	—	—	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	4.98	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	4.1	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	4	—	—	—	mg/L	—	NQ	KA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Aluminum	—	2690	—	—	68	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Aluminum	—	393	—	—	14.7	µg/L	—	J-	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Aluminum	<	7.6	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Aluminum	—	4450	—	—	68	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Aluminum	—	130	—	—	68	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	180	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Aluminum	—	34.8	—	—	34.3	µg/L	B	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Arsenic	<	2.24	—	—	2.24	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Arsenic	—	1.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	2.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Arsenic	<	4.57	—	—	4.57	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	49.9	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Barium	—	102	—	—	1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Barium	—	60.5	—	—	0.222	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Barium	—	61	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	55.8	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Barium	—	103	—	—	1	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Barium	—	63	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Barium	—	83.4	—	—	0.206	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	34.4	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Boron	—	21.2	—	—	10	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Boron	—	31.3	—	—	4.88	µg/L	B	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Met	6010	Boron	<	3.61	—	—	2.95	µg/L	UE	UJ	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	34.6	—	—	10	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Boron	—	23.3	—	—	10	µg/L	J	—	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Boron	<	3.61	—	—	2.95	µg/L	UE	UJ	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	6010	Boron	—	41.1	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Chromium	—	3.9	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Chromium	<	1.08	—	—	0.503	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Chromium	<	0.21	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	—	5.6	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Chromium	<	0.21	—	—	—	µg/L	U	UJ	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
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Chromium	<	0.781	—	—	0.781	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Copper	<	1.39	—	—	1.39	µg/L	U	R	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Copper	<	0.27	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Copper	—	3.5	—	—	3	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Copper	<	0.27	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Copper	—	2.75	—	—	2.67	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Iron	—	1320	—	—	18	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Iron	—	28.9	—	—	18	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Iron	—	196	—	—	12.6	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Iron	—	20	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Iron	—	2200	—	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Iron	—	57	—	—	18	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Iron	—	63	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Iron	<	26.6	—	—	20.6	µg/L	B	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Lead	—	1.3	—	—	0.5	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6020	Lead	—	0.188	—	—	0.05	µg/L	B	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Lead	<	1.1	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Lead	—	2.2	—	—	0.5	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Lead	<	1.1	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Lead	<	1.56	—	—	3.44	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Manganese	—	7.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Manganese	—	1.1	—	—	1	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Manganese	—	3.57	—	—	0.296	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Manganese	—	1.2	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Manganese	—	14.1	—	—	2	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Manganese	—	1.3	—	—	1	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Manganese	—	4.7	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Manganese	<	0.636	—	—	2.94	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Molybdenum	—	2.7	—	—	0.1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Molybdenum	<	4.04	—	—	1.43	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Molybdenum	<	3.8	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.8	—	—	0.1	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	3.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Molybdenum	<	0.594	—	—	0.594	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Nickel	—	1.5	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Nickel	<	2.65	—	—	0.69	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.1	—	—	0.5	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Nickel	<	0.743	—	—	0.743	µg/L	U	UJ	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	74.4	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Strontium	—	171	—	—	1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Strontium	—	129	—	—	0.178	µg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Met	6010	Strontium	—	197	—	—	0.168	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	74.8	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Strontium	—	173	—	—	1	µg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Strontium	—	197	—	—	0.168	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
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	6010	Strontium	—	114	—	—	—	µg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.29	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6020	Uranium	—	0.119	—	—	0.02	µg/L	B	—	GELC
DP Spring	—	9/16/1998	WG	F	CS	NA	Met	200.7	Uranium	<	126	—	—	—	µg/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.38	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	200.7	Uranium	<	126	—	—	—	µg/L	U	U	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Vanadium	—	6.3	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Vanadium	<	2.6	—	—	1	µg/L	J	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Vanadium	<	2.44	—	—	0.606	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Vanadium	—	2.9	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Vanadium	<	2.5	—	—	1	µg/L	J	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.1	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Vanadium	—	2.19	—	—	1.09	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
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Zinc	—	8.1	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Zinc	—	2.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Zinc	<	5.92	—	—	0.883	µg/L	—	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	—	12.4	—	—	2	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Zinc	—	3.2	—	—	2	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Zinc	<	2.36	—	—	2.81	µg/L	B	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.216	0.0301	0.0276	—	pCi/L	—	J+	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0332	0.0103	0.033	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Americium-241	—	0.0908	0.0149	0.028	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.013	0.0115	0.037	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.288	0.0346	0.0302	—	pCi/L	—	J+	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0165	0.00828	0.033	—	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
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.012	0.014	0.057	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0293	0.0156	0.0454	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	3.92	1.35	4.07	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.066	0.823	2.56	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.0435	1.61	2.91	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-4.1	3.15	5.5	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.32	1.94	3.35	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.753	0.99	2.29	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1	3.65	6.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.423	0.509	1.68	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	2.13	1.27	4.26	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	1.96	2.86	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.276	0.733	2.77	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	2.3	3.45	5.4	—	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.188	1.14	4.14	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.175	0.747	2.72	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4.8	4.15	7.5	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.244	0.574	2.04	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.42	0.801	2.22	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross alpha	—	2.74	0.669	1.82	—	pCi/L	—	J-	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross alpha	—	3.88	0.647	1.31	—	pCi/L	—	J-	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.43	0.862	1.54	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	4.53	1.26	2.49	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.43	0.382	0.986	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.315	0.596	2.49	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	66.2	2.02	2.3	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross beta	—	148	2.75	2.06	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross beta	—	123	3.34	2.82	—	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
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross beta	—	214	13.5	3.06	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	75.7	3.51	3.63	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross beta	—	128	4.28	2.07	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross beta	—	228	11.6	2.93	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.8	63.5	252	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	104	133	345	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Gross gamma	—	86.4	10.2	278	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	77.7	64.1	299	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.8	87.9	251	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.52	8	27.4	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-7.45	7	21.8	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-19.6	8.63	24.9	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-7	12.5	21	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.34	8.98	31.1	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-5.93	5.97	18.6	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	5	10.5	17	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.1	5.68	14.8	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0111	0.00826	0.0354	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00253	0.0076	0.053	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-238	—	-0.00741	0.00742	0.051	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.009	0.0065	0.05	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0367	0.0148	0.0392	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00678	0.00598	0.047	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.006	0.0065	0.044	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0131	0.00758	0.0118	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0995	0.0233	0.0413	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00802	0.044	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.0259	0.0112	0.046	—	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.005	0.0075	0.03	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.179	0.0319	0.0456	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0249	0.00755	0.04	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.01	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00871	0.00618	0.0118	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	38	14.6	60.5	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	29.7	18	23.2	—	pCi/L	UI	R	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.39	14.4	28.5	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-10	55	93	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	41.7	17.1	37.1	—	pCi/L	UI	R	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.9	8.69	35.2	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	20	70	120	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	—	19	13	19.2	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.767	0.866	3.04	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.976	0.819	2.83	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.485	0.756	3.08	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.8	3.2	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.617	0.939	3.31	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.101	0.722	2.59	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0.8	4.4	7.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.299	0.553	1.98	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	31.1	0.932	0.615	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	76.8	1.42	0.304	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	GFPC	Strontium-90	—	60.5	7.46	0.274	—	pCi/L	—	—	GELC
DP Spring	—	4/24/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	169	23	0.9	—	pCi/L	—	NQ	GEL
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	26.2	0.976	0.623	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	77.2	1.39	0.342	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	73	7	2.6	—	pCi/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
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	905	Strontium-90	—	113	14.2	0.211	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.889	0.0873	0.0894	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.977	0.0593	0.066	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-234	—	0.419	0.0399	0.048	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.48	0.08	0.062	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.867	0.0769	0.0686	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.975	0.0618	0.074	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.4	0.07	0.069	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.378	0.0468	0.0468	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.228	0.0402	0.0757	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.104	0.0164	0.04	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0167	0.0094	0.028	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.046	0.026	0.074	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00731	0.0103	0.0581	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.097	0.0162	0.045	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.002	0.0105	0.045	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0107	0.00625	0.0097	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.296	0.0432	0.095	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.14	0.0184	0.047	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0854	0.0153	0.031	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.123	0.0385	0.054	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0916	0.0211	0.0729	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.118	0.0188	0.052	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.082	0.033	0.075	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0285	0.0125	0.0331	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.37	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	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
DP Spring	—	5/6/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	—	Voa	8260	Acetone	—	5.5	—	—	—	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/L	U	U	PARA
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Calcium	—	18.4	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Chloride	—	50.2	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Chloride	—	52.1	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.176	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.169	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.9	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	64.7	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.37	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.46	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.168	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.18	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.0765	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.11	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.03	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	37.3	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	58.7	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Sodium	—	53.5	—	—	0.045	mg/L	N	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	10.8	—	—	0.045	mg/L	N	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	410	—	—	1	uS/cm	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	209	—	—	1	uS/cm	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.76	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.65	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	230	—	—	2.38	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	236	—	—	2.38	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.197	—	—	0.01	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	0.01	mg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.33	—	—	0.33	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	4.13	—	—	0.713	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Barium	—	50.7	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Barium	—	23.6	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Boron	—	19.8	—	—	10	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Boron	—	13.9	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.5	—	—	2	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Nickel	—	0.72	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Strontium	—	84.9	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Thallium	—	0.72	—	—	0.4	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Uranium	—	0.062	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.13	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.4	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.6	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.2	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00681	0.00404	0.0267	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.000666	0.00434	0.0254	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-2.11	1.08	3.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.128	1.07	3.84	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.84	1.02	2.87	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.287	0.978	3.46	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross alpha	—	2.73	0.589	1.32	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.06	0.416	1.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.47	0.902	2.71	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.07	0.975	2.73	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	160	86.2	344	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	111	88.4	366	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	2.6	8.51	24.7	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	13.9	9.22	26.9	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00194	0.00513	0.0186	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00417	0.00723	0.02	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0503	0.0121	0.0217	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0709	0.0129	0.0233	—	pCi/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	20.5	14.5	48.8	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	48.9	12.1	52.8	—	pCi/L	U	U	GELC
APCO-1	4.7	11/15/2002	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.893	—	—	0.725	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	121	—	—	0.725	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	224	—	—	0.725	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Bromide	—	0.113	—	—	0.066	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Bromide	—	0.116	—	—	0.066	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Calcium	—	54.5	—	—	0.036	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Calcium	—	55.3	—	—	0.036	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Chloride	—	73.2	—	—	0.66	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Chloride	—	73.2	—	—	0.66	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Fluoride	—	1.17	—	—	0.033	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Fluoride	—	1.1	—	—	0.033	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	A2340	Hardness	—	156	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	A2340	Hardness	—	159	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Magnesium	—	4.94	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Magnesium	—	5.01	—	—	0.085	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.0265	—	—	0.014	mg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.014	—	—	0.014	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	150.1	pH	—	7.67	—	—	0.01	SU	H	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	150.1	pH	—	7.96	—	—	0.01	SU	H	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Potassium	—	15.2	—	—	0.05	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Potassium	—	15.5	—	—	0.05	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Silicon Dioxide	—	25.9	—	—	0.032	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Silicon Dioxide	—	26.5	—	—	0.032	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	6010	Sodium	—	89.8	—	—	0.045	mg/L	E	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	6010	Sodium	—	91.4	—	—	0.045	mg/L	E	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	120.1	Specific Conductance	—	766	—	—	1	uS/cm	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	120.1	Specific Conductance	—	764	—	—	1	uS/cm	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	300	Sulfate	—	9.52	—	—	0.1	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	300	Sulfate	—	9.55	—	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	438	—	—	2.38	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	430	—	—	2.38	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.248	—	—	0.01	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.406	—	—	0.01	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	9060	Total Organic Carbon	—	9.76	—	—	0.33	mg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.076	—	—	0.01	mg/L	—	J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.022	—	—	0.01	mg/L	J	J-, JN-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Barium	—	160	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Barium	—	166	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Boron	—	66.2	—	—	10	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Boron	—	65.8	—	—	10	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Chromium	—	3.1	—	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Chromium	—	2.2	—	—	1	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Iron	—	40.8	—	—	18	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Iron	—	442	—	—	18	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Manganese	—	463	—	—	2	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Manganese	—	484	—	—	2	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Molybdenum	—	4.9	—	—	2	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Molybdenum	—	3.6	—	—	2	µg/L	J	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Nickel	—	3.8	—	—	0.5	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Nickel	—	3.6	—	—	0.5	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6010	Strontium	—	281	—	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6010	Strontium	—	286	—	—	1	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Met	6020	Uranium	—	1.1	—	—	0.05	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Met	6020	Uranium	—	1.1	—	—	0.05	µg/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Americium-241	—	0.00605	0.00515	0.0217	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Americium-241	—	0.0137	0.0066	0.0264	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Cesium-137	—	-0.632	1.04	3.72	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Cesium-137	—	-1.93	1.22	3.49	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Cobalt-60	—	0.264	0.926	3.52	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.379	1.33	4.22	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	900	Gross alpha	—	5.28	2.24	5.24	—	pCi/L	—	J, J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	900	Gross alpha	—	4.62	2.57	2.9	—	pCi/L	—	J, J-	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	900	Gross beta	—	214	5.1	2.96	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	900	Gross beta	—	239	5.56	3.66	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Gross gamma	—	46.8	51.8	170	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Gross gamma	—	57.7	66.6	292	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Neptunium-237	—	1.85	6.6	22.1	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.87	8.57	27.1	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Plutonium-238	—	-0.00409	0.00354	0.0196	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Plutonium-238	—	0.00175	0.00303	0.0168	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0102	0.00459	0.0229	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00699	0.00351	0.0196	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Potassium-40	—	14.2	15.8	39.6	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Potassium-40	—	31.3	26.5	33.5	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	901.1	Sodium-22	—	-0.977	0.967	3.24	—	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
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	901.1	Sodium-22	—	1.16	1.31	4.54	—	pCi/L	U	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	905.0	Strontium-90	—	88.5	1.43	0.313	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	905.0	Strontium-90	—	84.4	1.28	0.295	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-234	—	1.93	0.14	0.0635	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-234	—	2.16	0.169	0.0894	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-235/236	—	0.0828	0.0191	0.0536	—	pCi/L	—	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-235/236	—	0.101	0.0302	0.0754	—	pCi/L	—	J	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	F	CS	—	Rad	H300	Uranium-238	—	0.402	0.0433	0.0676	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Rad	H300	Uranium-238	—	0.437	0.0522	0.0951	—	pCi/L	—	—	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	—	Voa	8260	Acetone	<	4.82	—	—	1.25	µg/L	J	U	GELC
DP below Meadow at TA-21	—	7/26/2006	WS	UF	CS	FTB	Voa	8260	Acetone	—	1.72	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	88.8	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	1.45	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	1.45	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	86	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	98.9	—	—	0.725	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.052	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.051	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	12.2	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Calcium	—	27.7	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Calcium	—	20.6	—	—	0.00554	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	12.2	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	28	—	—	0.036	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Calcium	—	17.8	—	—	—	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
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	48.1	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Chloride	—	180	—	—	2.65	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Chloride	—	61	—	—	0.322	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Chloride	—	60	—	—	0.322	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Chloride	—	61.4	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Chloride	—	63	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	48.3	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	35	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	1.03	—	—	0.033	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.507	—	—	0.03	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Fluoride	—	0.848	—	—	0.0553	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Fluoride	—	0.859	—	—	0.0553	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.895	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Fluoride	—	1	—	—	—	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	1.05	—	—	0.033	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	1.1	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	36.7	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	80.5	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	200.7	Hardness	—	60.7	—	—	0.00554	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	A2340	Hardness	—	89.9	—	—	0.112	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	37.5	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	81.4	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	1.52	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	2.74	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Magnesium	—	2.27	—	—	0.00518	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	2.4	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	1.69	—	—	0.085	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.79	—	—	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
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	2.4	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Magnesium	—	1.96	—	—	—	mg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.498	—	—	0.014	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	511	—	—	1.5	mg/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.76	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.49	—	—	0.0069	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.452	—	—	0.014	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.31	—	—	—	mg/L	N	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.26	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.507	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	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
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	150.1	pH	—	7.79	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	9040	pH	—	7.81	—	—	0.01	SU	H	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.9	—	—	—	SU	—	NQ	HUFFMAN
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.75	—	—	0.01	SU	H	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	7.55	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Potassium	—	10.4	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Potassium	—	10.2	—	—	0.0165	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	11	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	7.6	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	10.3	—	—	0.05	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	11	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Potassium	—	10.6	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	28.6	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	12.1	—	—	0.032	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	18.3	—	—	0.0212	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	12.4	—	—	0.0133	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	62.2	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	6010	Sodium	—	144	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	6010	Sodium	—	53.2	—	—	0.0144	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	40	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	61.5	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	146	—	—	0.045	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	40	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	6010	Sodium	—	33.2	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	366	—	—	1	uS/cm	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	789	—	—	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
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	9050	Specific Conductance	—	336	—	—	1	uS/cm	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	9050	Specific Conductance	—	555	—	—	1	uS/cm	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	368	—	—	1	uS/cm	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	7.46	—	—	0.1	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	300	Sulfate	—	9.22	—	—	0.057	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	300	Sulfate	—	7.96	—	—	0.193	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	300	Sulfate	—	7.96	—	—	0.193	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.2	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	6/22/2001	WG	F	RE	NA	Inorg	300	Sulfate	—	9.15	—	—	—	mg/L	—	NQ	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	7.44	—	—	0.1	mg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	6.6	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	—	3	—	—	1.43	mg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	<	2.28	—	—	2.28	mg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	247	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	455	—	—	2.38	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	241	—	—	3.07	mg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	3.07	mg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	321	—	—	5.09	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	263	—	—	2.38	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.124	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.166	—	—	0.01	mg/L	—	JN-	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.132	—	—	0.01	mg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	4.98	—	—	0.33	mg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	4.1	—	—	—	mg/L	—	NQ	PARA
DP Spring	—	9/16/1998	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	4	—	—	—	mg/L	—	NQ	KA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Aluminum	—	2690	—	—	68	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Aluminum	—	393	—	—	14.7	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Aluminum	<	7.6	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Aluminum	—	4450	—	—	68	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Aluminum	—	130	—	—	68	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	180	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Aluminum	—	34.8	—	—	34.3	µg/L	B	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Arsenic	<	2.24	—	—	2.24	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Arsenic	—	1.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	2.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Arsenic	<	4.57	—	—	4.57	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	49.9	—	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Barium	—	102	—	—	1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Barium	—	60.5	—	—	0.222	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Barium	—	61	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	55.8	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Barium	—	103	—	—	1	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Barium	—	63	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Barium	—	83.4	—	—	0.206	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	34.4	—	—	10	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Boron	—	21.2	—	—	10	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Boron	—	31.3	—	—	4.88	µg/L	B	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Met	6010	Boron	<	3.61	—	—	2.95	µg/L	UE	UJ	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	34.6	—	—	10	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Boron	—	23.3	—	—	10	µg/L	J	—	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Boron	<	3.61	—	—	2.95	µg/L	UE	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
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	6010	Boron	—	41.1	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Chromium	—	3.9	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Chromium	<	1.08	—	—	0.503	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Chromium	<	0.21	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	—	5.6	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Chromium	<	0.21	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Chromium	<	0.781	—	—	0.781	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Copper	<	1.39	—	—	1.39	µg/L	U	R	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Copper	<	0.27	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Copper	—	3.5	—	—	3	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Copper	<	0.27	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Copper	—	2.75	—	—	2.67	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Iron	—	1320	—	—	18	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Iron	—	28.9	—	—	18	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Iron	—	196	—	—	12.6	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Iron	—	20	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Iron	—	2200	—	—	18	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Iron	—	57	—	—	18	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Iron	—	63	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Iron	<	26.6	—	—	20.6	µg/L	B	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Lead	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6020	Lead	—	0.188	—	—	0.05	µg/L	B	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Lead	<	1.1	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Lead	—	2.2	—	—	0.5	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Lead	<	1.1	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Lead	<	1.56	—	—	3.44	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Manganese	—	7.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Manganese	—	1.1	—	—	1	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Manganese	—	3.57	—	—	0.296	µg/L	B	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Manganese	—	1.2	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Manganese	—	14.1	—	—	2	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Manganese	—	1.3	—	—	1	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Manganese	—	4.7	—	—	—	µg/L	B	J	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
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Manganese	<	0.636	—	—	2.94	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6020	Molybdenum	—	2.7	—	—	0.1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Molybdenum	<	4.04	—	—	1.43	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Molybdenum	<	3.8	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.8	—	—	0.1	µg/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	3.8	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Molybdenum	<	0.594	—	—	0.594	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Nickel	—	1.5	—	—	0.5	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Nickel	<	2.65	—	—	0.69	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.1	—	—	0.5	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Nickel	<	0.743	—	—	0.743	µg/L	U	UJ	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	74.4	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Strontium	—	171	—	—	1	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Strontium	—	129	—	—	0.178	µg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Met	6010	Strontium	—	197	—	—	0.168	µg/L	—	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	74.8	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Strontium	—	173	—	—	1	µg/L	—	—	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Strontium	—	197	—	—	0.168	µg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	6010	Strontium	—	114	—	—	—	µg/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.29	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6020	Uranium	—	0.119	—	—	0.02	µg/L	B	—	GELC
DP Spring	—	9/16/1998	WG	F	CS	NA	Met	200.7	Uranium	<	126	—	—	—	µg/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
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.38	—	—	0.05	µg/L	—	—	GELC
DP Spring	—	9/16/1998	WG	UF	CS	NA	Met	200.7	Uranium	<	126	—	—	—	µg/L	U	U	PARA
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Vanadium	—	6.3	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Vanadium	<	2.6	—	—	1	µg/L	J	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Vanadium	<	2.44	—	—	0.606	µg/L	B	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Vanadium	—	2.9	—	—	—	µg/L	B	J	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Vanadium	<	2.5	—	—	1	µg/L	J	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.1	—	—	—	µg/L	B	J	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Vanadium	—	2.19	—	—	1.09	µg/L	B	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Met	6010	Zinc	—	8.1	—	—	2	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Met	6010	Zinc	—	2.6	—	—	2	µg/L	J	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Met	6010	Zinc	<	5.92	—	—	0.883	µg/L	—	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	—	12.4	—	—	2	µg/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Met	6010	Zinc	—	3.2	—	—	2	µg/L	J	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Met	6010	Zinc	<	2.36	—	—	2.81	µg/L	B	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.216	0.0301	0.0276	—	pCi/L	—	J+	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0332	0.0103	0.033	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Americium-241	—	0.0908	0.0149	0.028	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.013	0.0115	0.037	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.288	0.0346	0.0302	—	pCi/L	—	J+	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0165	0.00828	0.033	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.012	0.014	0.057	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0293	0.0156	0.0454	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	3.92	1.35	4.07	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.066	0.823	2.56	—	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
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.0435	1.61	2.91	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-4.1	3.15	5.5	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.32	1.94	3.35	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1	3.65	6.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.423	0.509	1.68	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	2.13	1.27	4.26	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	1.96	2.86	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.276	0.733	2.77	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	2.3	3.45	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.188	1.14	4.14	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.175	0.747	2.72	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4.8	4.15	7.5	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.244	0.574	2.04	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.42	0.801	2.22	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross alpha	—	2.74	0.669	1.82	—	pCi/L	—	J-	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross alpha	—	3.88	0.647	1.31	—	pCi/L	—	J-	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.43	0.862	1.54	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	4.53	1.26	2.49	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.43	0.382	0.986	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.315	0.596	2.49	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	66.2	2.02	2.3	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross beta	—	148	2.75	2.06	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross beta	—	123	3.34	2.82	—	pCi/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross beta	—	214	13.5	3.06	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	75.7	3.51	3.63	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross beta	—	128	4.28	2.07	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross beta	—	228	11.6	2.93	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.8	63.5	252	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	104	133	345	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Gross gamma	—	86.4	10.2	278	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	77.7	64.1	299	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.8	87.9	251	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.52	8	27.4	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-7.45	7	21.8	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-19.6	8.63	24.9	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-7	12.5	21	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.34	8.98	31.1	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-5.93	5.97	18.6	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	5	10.5	17	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.1	5.68	14.8	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0111	0.00826	0.0354	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00253	0.0076	0.053	—	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
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-238	—	-0.00741	0.00742	0.051	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.009	0.0065	0.05	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0367	0.0148	0.0392	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00678	0.00598	0.047	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.006	0.0065	0.044	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0131	0.00758	0.0118	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0995	0.0233	0.0413	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00802	0.044	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.0259	0.0112	0.046	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.005	0.0075	0.03	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.179	0.0319	0.0456	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0249	0.00755	0.04	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.01	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00871	0.00618	0.0118	—	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
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	38	14.6	60.5	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	29.7	18	23.2	—	pCi/L	UI	R	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.39	14.4	28.5	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-10	55	93	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	41.7	17.1	37.1	—	pCi/L	UI	R	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.9	8.69	35.2	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	20	70	120	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	—	19	13	19.2	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.767	0.866	3.04	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.976	0.819	2.83	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.485	0.756	3.08	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.8	3.2	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.617	0.939	3.31	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.101	0.722	2.59	—	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
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0.8	4.4	7.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.299	0.553	1.98	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	31.1	0.932	0.615	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	76.8	1.42	0.304	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	GFPC	Strontium-90	—	60.5	7.46	0.274	—	pCi/L	—	—	GELC
DP Spring	—	4/24/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	169	23	0.9	—	pCi/L	—	NQ	GEL
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	26.2	0.976	0.623	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	77.2	1.39	0.342	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	73	7	2.6	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	905	Strontium-90	—	113	14.2	0.211	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.889	0.0873	0.0894	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.977	0.0593	0.066	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-234	—	0.419	0.0399	0.048	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.48	0.08	0.062	—	pCi/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
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.867	0.0769	0.0686	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.975	0.0618	0.074	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.4	0.07	0.069	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.378	0.0468	0.0468	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.228	0.0402	0.0757	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.104	0.0164	0.04	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0167	0.0094	0.028	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.046	0.026	0.074	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00731	0.0103	0.0581	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.097	0.0162	0.045	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.002	0.0105	0.045	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0107	0.00625	0.0097	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.296	0.0432	0.095	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.14	0.0184	0.047	—	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
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0854	0.0153	0.031	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.123	0.0385	0.054	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0916	0.0211	0.0729	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.118	0.0188	0.052	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.082	0.033	0.075	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0285	0.0125	0.0331	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.37	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	—	Voa	8260	Acetone	—	5.5	—	—	—	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/L	U	U	PARA
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Calcium	—	18.4	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Chloride	—	50.2	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Chloride	—	52.1	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.176	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.169	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.9	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	64.7	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.37	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.46	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.168	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.18	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.0765	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.11	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.03	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	37.3	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	58.7	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Sodium	—	53.5	—	—	0.045	mg/L	N	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	10.8	—	—	0.045	mg/L	N	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	410	—	—	1	uS/cm	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	209	—	—	1	uS/cm	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.76	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.65	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	230	—	—	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	236	—	—	2.38	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.197	—	—	0.01	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	0.01	mg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.33	—	—	0.33	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	4.13	—	—	0.713	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Barium	—	50.7	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Barium	—	23.6	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Boron	—	19.8	—	—	10	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Boron	—	13.9	—	—	10	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.5	—	—	2	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Nickel	—	0.72	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Strontium	—	84.9	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Thallium	—	0.72	—	—	0.4	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Uranium	—	0.062	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.13	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.4	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.6	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.2	—	—	2	µg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00681	0.00404	0.0267	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.000666	0.00434	0.0254	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-2.11	1.08	3.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.128	1.07	3.84	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.84	1.02	2.87	—	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.287	0.978	3.46	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross alpha	—	2.73	0.589	1.32	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.06	0.416	1.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.47	0.902	2.71	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.07	0.975	2.73	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	160	86.2	344	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	111	88.4	366	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	2.6	8.51	24.7	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	13.9	9.22	26.9	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00194	0.00513	0.0186	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00417	0.00723	0.02	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0503	0.0121	0.0217	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0709	0.0129	0.0233	—	pCi/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	20.5	14.5	48.8	—	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	48.9	12.1	52.8	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.63	1.18	3.56	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.311	0.987	3.48	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.0537	0.106	0.397	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.136	0.117	0.425	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0609	0.0118	0.0438	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0637	0.0132	0.0492	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0026	0.0026	0.037	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00583	0.00414	0.0415	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0399	0.00944	0.0466	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0354	0.00994	0.0523	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.42	—	—	1.25	µg/L	J	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	5.87	—	—	1.25	µg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	116	—	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	113	—	—	0.725	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.065	—	—	0.01	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.049	—	—	0.01	mg/L	J	JN-	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	25.2	—	—	0.036	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	25.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	6.49	—	—	0.89	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	61.8	—	—	0.66	mg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	61.2	—	—	0.66	mg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00234	—	—	0.0015	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.292	—	—	0.033	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.283	—	—	0.033	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	82.1	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	82.4	—	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.67	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.71	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.119	—	—	0.014	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.0837	—	—	0.014	mg/L	—	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.93	—	—	0.01	SU	H	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.06	—	—	0.05	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	39.3	—	—	0.032	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	40.2	—	—	0.032	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	64.5	—	—	0.045	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	64.5	—	—	0.045	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	459	—	—	1	uS/cm	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	471	—	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	18.9	—	—	0.1	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	19.6	—	—	0.1	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	300	—	—	2.38	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	305	—	—	2.38	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.101	—	—	0.01	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.095	—	—	0.01	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.87	—	—	0.33	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	0.75	—	—	0.713	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Aluminum	—	697	—	—	68	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Aluminum	—	897	—	—	68	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	54.2	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	58	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	23.6	—	—	10	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	22.4	—	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Chromium	—	1.5	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	—	5.7	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Iron	—	330	—	—	18	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Iron	—	459	—	—	18	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Lead	—	0.59	—	—	0.5	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Manganese	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Manganese	—	75.6	—	—	2	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Molybdenum	—	4.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	4.6	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Nickel	—	1.7	—	—	0.5	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	—	4.3	—	—	0.5	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	157	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	158	—	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Thallium	—	0.64	—	—	0.4	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.29	—	—	0.05	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.27	—	—	0.05	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Vanadium	—	2.6	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Vanadium	—	3.2	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Zinc	—	5.6	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	—	5.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0285	0.00787	0.0238	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0808	0.0179	0.0276	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.389	1.17	3.83	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.26	0.963	3.06	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.134	1.12	3.67	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.322	1.2	3.83	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.34	0.756	2.4	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.71	0.621	1.82	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.61	1.36	3.6	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.78	1.42	3.56	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.1	39.2	186	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	59.5	53.4	222	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-3.64	8.73	26.8	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.5	8.67	25	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0131	0.00978	0.042	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	4.6E-10	0.00771	0.037	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.048	0.0201	0.0489	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.104	0.0205	0.0432	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	-20	15.1	45.8	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.5	17	54.1	—	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
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.153	1.05	3.45	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.383	1.33	3.77	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0000454	0.124	0.431	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.163	0.116	0.41	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.128	0.0207	0.0486	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0758	0.0183	0.0613	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00864	0.00763	0.041	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.00587	0.00417	0.0519	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0885	0.0168	0.0517	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0891	0.0186	0.0652	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.502	—	—	0.25	µg/L	J	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.4	—	—	0.725	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	42.5	—	—	1.45	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.3	—	—	0.73	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
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	61	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	59	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	90.4	—	—	0.725	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.129	—	—	0.01	mg/L	—	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.023	—	—	0.01	mg/L	J	J-, U	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	22.7	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	22	—	—	0.038	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Calcium	—	18	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	18	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	22.2	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	20.1	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	22.1	—	—	0.038	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	18	—	—	—	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
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	46.9	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Chloride	—	66	—	—	0.53	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Chloride	—	33.9	—	—	0.13	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Chloride	—	44	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Chloride	—	47.6	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.28	—	—	0.033	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.152	—	—	0.03	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.146	—	—	0.014	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Fluoride	—	0.4	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.38	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.283	—	—	0.033	mg/L	—	—	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.611	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	82.9	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	74	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	81.3	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	73.3	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.37	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.67	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.19	—	—	0.0045	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Magnesium	—	5.2	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.1	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.25	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.64	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.27	—	—	0.0045	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	5.1	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.985	—	—	0.014	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.194	—	—	0.003	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
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.22	—	—	0.0069	mg/L	J	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	FD	Inorg	353.2	Nitrate-Nitrite as N	—	0.65	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.61	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.968	—	—	0.014	mg/L	—	—	GELC
LAO-1.6g	10.5	6/23/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.64	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.239	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.151	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.371	—	—	0.05	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	4	—	—	0.958	µg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.63	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.37	—	—	0.01	SU	H	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	79—4	pH	—	6.4	—	—	—	SU	—	NQ	HUFFMAN
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.74	—	—	0.01	SU	H	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.44	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Potassium	—	5.35	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Potassium	<	5.53	—	—	0.0071	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.35	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	5.05	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Potassium	<	5.69	—	—	0.0071	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	42.1	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	36	—	—	0.032	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.5	—	—	0.032	mg/L	—	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	43.6	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Sodium	—	46.3	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	32.3	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	43.1	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	46	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32.4	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	388	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	357	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	380	—	—	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
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	10.7	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Sulfate	—	15.7	—	—	0.057	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.81	—	—	0.062	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	12	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	10.6	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	300	Sulfate	—	15.2	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	243	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	210	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	245	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.03	—	—	0.01	mg/L	J	J, JN-	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.13	—	—	0.01	mg/L	—	U	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.136	—	—	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
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.69	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.21	—	—	0.041	mg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.2	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0041	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.109	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.099	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Aluminum	—	93.3000031	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Aluminum	—	32	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Aluminum	—	35	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Aluminum	—	86	—	—	68	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	979	—	—	34	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	160	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	66.6	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Barium	—	62.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Barium	—	68.699997	—	—	0.16	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Barium	—	49	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	66.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Barium	—	61.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Barium	—	72.8000031	—	—	0.16	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	18.8	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Boron	—	17.3	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Boron	—	11.3000002	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Met	6010	Boron	—	62.9	—	—	—	µg/L	—	NQ	ESE

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
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	18.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Boron	—	15.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Boron	—	10.1999998	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Met	6010	Boron	—	55.8	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Iron	—	23.5	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Iron	—	28.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Iron	<	32.2000008	—	—	21	µg/L	B	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Iron	—	26	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Iron	—	40	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	91.8	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Iron	—	63.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Iron	—	449	—	—	21	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Iron	—	84	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	8.1	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6020	Manganese	—	7	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Manganese	<	0.67000002	—	—	2.9000001	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Manganese	<	0.044	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Manganese	—	0.28	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	20.2	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6020	Manganese	—	14.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Manganese	—	9.09000015	—	—	2.9000001	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Manganese	—	0.51	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Molybdenum	—	79	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6020	Molybdenum	—	113	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	79.8000031	—	—	0.59	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	77.6	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	108	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	77.699997	—	—	0.59	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.98	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Strontium	—	135	—	—	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
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	146	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Strontium	—	133	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.14	—	—	0.018	µg/L	BE	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	RE	FD	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.22	—	—	0.018	µg/L	BE	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.13	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Vanadium	<	1.8	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.85000002	—	—	1.1	µg/L	B	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
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Vanadium	—	0.59	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Vanadium	<	0.38	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Vanadium	<	1.5	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	1.86000001	—	—	1.1	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	0.71	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Zinc	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.79999995	—	—	2.8	µg/L	B	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	2.4	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Zinc	<	3.59999991	—	—	2.8	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0297	0.0094	0.0279	—	pCi/L	—	J	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0142	0.00672	0.037	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0157	0.0074	0.01899 9999	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.019	0.011	0.026	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.005	0.0055	0.01	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0385	0.0123	0.0304	—	pCi/L	—	J	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0241	0.0082	0.0073	—	pCi/L	—	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.009	0.013	0.052	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.011	0.009	0.018	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.94	1.22	3.6	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.23	0.908	2.95	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.2969999 9	0.5899999 74	2.09999 9905	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	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
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-3.9	4.15	7.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.66	2.79	3.4	—	pCi/L	UI	R	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0	0.730000019	2.900000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	5.2	4.8	7.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	0.8	1.55	2.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.681	1.33	4.5	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.05	1.01	3.69	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.773000002	0.639999986	2.200000048	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	GS	Cobalt-60	—	-2	5	8.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	-3	6.5	11	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.943	1.09	4.21	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.963	0.600000024	2.400000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4	6	10	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	0.8	1.85	3	—	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
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.77	0.509	1.21	—	pCi/L	—	J, J-	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.336	0.471	2.07	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Rad	900	Gross alpha	—	4.87	0.53	1.1	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.5	7/19/1996	WG	F	CS	NA	Rad	900	Gross alpha	—	-390	460	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.164	0.312	1.48	—	pCi/L	U	J-, U	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Rad	900	Gross alpha	—	1.85	0.4	1.09	—	pCi/L	J	NQ	RFWC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1	3.65	6.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.423	0.509	1.68	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	2.13	1.27	4.26	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	1.96	2.86	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.276	0.733	2.77	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	2.3	3.45	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.188	1.14	4.14	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.175	0.747	2.72	—	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
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4.8	4.15	7.5	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.244	0.574	2.04	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.42	0.801	2.22	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross alpha	—	2.74	0.669	1.82	—	pCi/L	—	J-	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross alpha	—	3.88	0.647	1.31	—	pCi/L	—	J-	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.43	0.862	1.54	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	4.53	1.26	2.49	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.43	0.382	0.986	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.315	0.596	2.49	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	66.2	2.02	2.3	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross beta	—	148	2.75	2.06	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross beta	—	123	3.34	2.82	—	pCi/L	—	—	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross beta	—	214	13.5	3.06	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	75.7	3.51	3.63	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross beta	—	128	4.28	2.07	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross beta	—	228	11.6	2.93	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.8	63.5	252	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	104	133	345	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Gross gamma	—	86.4	10.2	278	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	77.7	64.1	299	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.8	87.9	251	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.52	8	27.4	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-7.45	7	21.8	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-19.6	8.63	24.9	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-7	12.5	21	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.34	8.98	31.1	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-5.93	5.97	18.6	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	5	10.5	17	—	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
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.1	5.68	14.8	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0111	0.00826	0.0354	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00253	0.0076	0.053	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-238	—	-0.00741	0.00742	0.051	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.009	0.0065	0.05	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0367	0.0148	0.0392	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00678	0.00598	0.047	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.006	0.0065	0.044	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0131	0.00758	0.0118	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0995	0.0233	0.0413	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00802	0.044	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.0259	0.0112	0.046	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.005	0.0075	0.03	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.179	0.0319	0.0456	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0249	0.00755	0.04	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.01	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00871	0.00618	0.0118	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	38	14.6	60.5	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	29.7	18	23.2	—	pCi/L	UI	R	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.39	14.4	28.5	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-10	55	93	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	41.7	17.1	37.1	—	pCi/L	UI	R	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.9	8.69	35.2	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	20	70	120	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	—	19	13	19.2	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.767	0.866	3.04	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.976	0.819	2.83	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.485	0.756	3.08	—	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.8	3.2	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.617	0.939	3.31	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.101	0.722	2.59	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0.8	4.4	7.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.299	0.553	1.98	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	31.1	0.932	0.615	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	76.8	1.42	0.304	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	GFPC	Strontium-90	—	60.5	7.46	0.274	—	pCi/L	—	—	GELC
DP Spring	—	4/24/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	169	23	0.9	—	pCi/L	—	NQ	GEL
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	26.2	0.976	0.623	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	77.2	1.39	0.342	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	73	7	2.6	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	905	Strontium-90	—	113	14.2	0.211	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.889	0.0873	0.0894	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.977	0.0593	0.066	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-234	—	0.419	0.0399	0.048	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.48	0.08	0.062	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.867	0.0769	0.0686	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.975	0.0618	0.074	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.4	0.07	0.069	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.378	0.0468	0.0468	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.228	0.0402	0.0757	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.104	0.0164	0.04	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0167	0.0094	0.028	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.046	0.026	0.074	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00731	0.0103	0.0581	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.097	0.0162	0.045	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.002	0.0105	0.045	—	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
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0107	0.00625	0.0097	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.296	0.0432	0.095	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.14	0.0184	0.047	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0854	0.0153	0.031	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.123	0.0385	0.054	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0916	0.0211	0.0729	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.118	0.0188	0.052	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.082	0.033	0.075	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0285	0.0125	0.0331	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.37	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	—	Voa	8260	Acetone	—	5.5	—	—	—	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
DP Spring	—	8/27/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/L	U	U	PARA
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Calcium	—	18.4	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Chloride	—	50.2	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Chloride	—	52.1	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.176	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.169	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.9	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	64.7	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.37	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.46	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.168	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.18	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.0765	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.11	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.03	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	37.3	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	58.7	—	—	0.032	mg/L	N	J+	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Sodium	—	53.5	—	—	0.045	mg/L	N	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	10.8	—	—	0.045	mg/L	N	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	410	—	—	1	uS/cm	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	209	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.76	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.65	—	—	0.1	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	230	—	—	2.38	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	236	—	—	2.38	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.197	—	—	0.01	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	0.01	mg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.33	—	—	0.33	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	4.13	—	—	0.713	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Barium	—	50.7	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Barium	—	23.6	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Boron	—	19.8	—	—	10	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Boron	—	13.9	—	—	10	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.5	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Nickel	—	0.72	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Strontium	—	84.9	—	—	1	µg/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Thallium	—	0.72	—	—	0.4	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6020	Uranium	—	0.062	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.13	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.4	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.6	—	—	1	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.2	—	—	2	µg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00681	0.00404	0.0267	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.000666	0.00434	0.0254	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-2.11	1.08	3.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.128	1.07	3.84	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.84	1.02	2.87	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.287	0.978	3.46	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross alpha	—	2.73	0.589	1.32	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.06	0.416	1.15	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.47	0.902	2.71	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.07	0.975	2.73	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	160	86.2	344	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	111	88.4	366	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	2.6	8.51	24.7	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	13.9	9.22	26.9	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00194	0.00513	0.0186	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00417	0.00723	0.02	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0503	0.0121	0.0217	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0709	0.0129	0.0233	—	pCi/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	20.5	14.5	48.8	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	48.9	12.1	52.8	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.63	1.18	3.56	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.311	0.987	3.48	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.0537	0.106	0.397	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.136	0.117	0.425	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0609	0.0118	0.0438	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0637	0.0132	0.0492	—	pCi/L	—	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0026	0.0026	0.037	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00583	0.00414	0.0415	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0399	0.00944	0.0466	—	pCi/L	U	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0354	0.00994	0.0523	—	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
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.42	—	—	1.25	µg/L	J	U	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	5.87	—	—	1.25	µg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	116	—	—	0.725	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	113	—	—	0.725	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.065	—	—	0.01	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.049	—	—	0.01	mg/L	J	JN-	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	25.2	—	—	0.036	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	25.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	6.49	—	—	0.89	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	61.8	—	—	0.66	mg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	61.2	—	—	0.66	mg/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00234	—	—	0.0015	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.292	—	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.283	—	—	0.033	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	82.1	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	82.4	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.67	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.71	—	—	0.085	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.119	—	—	0.014	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.0837	—	—	0.014	mg/L	—	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.93	—	—	0.01	SU	H	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.06	—	—	0.05	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	39.3	—	—	0.032	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	40.2	—	—	0.032	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	64.5	—	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	64.5	—	—	0.045	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	459	—	—	1	uS/cm	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	471	—	—	1	uS/cm	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	18.9	—	—	0.1	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	19.6	—	—	0.1	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	300	—	—	2.38	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	305	—	—	2.38	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.101	—	—	0.01	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.095	—	—	0.01	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.87	—	—	0.33	mg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	0.75	—	—	0.713	mg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Aluminum	—	697	—	—	68	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Aluminum	—	897	—	—	68	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	54.2	—	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	58	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	23.6	—	—	10	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	22.4	—	—	10	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Chromium	—	1.5	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	—	5.7	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Iron	—	330	—	—	18	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Iron	—	459	—	—	18	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Lead	—	0.59	—	—	0.5	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Manganese	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Manganese	—	75.6	—	—	2	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Molybdenum	—	4.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	4.6	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Nickel	—	1.7	—	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	—	4.3	—	—	0.5	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	157	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	158	—	—	1	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Thallium	—	0.64	—	—	0.4	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.29	—	—	0.05	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.27	—	—	0.05	µg/L	—	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Vanadium	—	2.6	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Vanadium	—	3.2	—	—	1	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Met	6010	Zinc	—	5.6	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	—	5.2	—	—	2	µg/L	J	—	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0285	0.00787	0.0238	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0808	0.0179	0.0276	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.389	1.17	3.83	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.26	0.963	3.06	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.134	1.12	3.67	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.322	1.2	3.83	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.34	0.756	2.4	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.71	0.621	1.82	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.61	1.36	3.6	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.78	1.42	3.56	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.1	39.2	186	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	59.5	53.4	222	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-3.64	8.73	26.8	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.5	8.67	25	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0131	0.00978	0.042	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	4.6E-10	0.00771	0.037	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.048	0.0201	0.0489	—	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
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.104	0.0205	0.0432	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	-20	15.1	45.8	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.5	17	54.1	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.153	1.05	3.45	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.383	1.33	3.77	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0000454	0.124	0.431	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.163	0.116	0.41	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.128	0.0207	0.0486	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0758	0.0183	0.0613	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00864	0.00763	0.041	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.00587	0.00417	0.0519	—	pCi/L	U	U	GELC
LAO-0.6	8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0885	0.0168	0.0517	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0891	0.0186	0.0652	—	pCi/L	—	J	GELC
LAO-0.6	8	8/3/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.502	—	—	0.25	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
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.4	—	—	0.725	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	42.5	—	—	1.45	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.3	—	—	0.73	mg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	61	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	59	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	90.4	—	—	0.725	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.129	—	—	0.01	mg/L	—	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.023	—	—	0.01	mg/L	J	J-, U	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	22.7	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	22	—	—	0.038	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Calcium	—	18	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	18	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	22.2	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	20.1	—	—	0.036	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	22.1	—	—	0.038	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	18	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	46.9	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Chloride	—	66	—	—	0.53	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Chloride	—	33.9	—	—	0.13	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Chloride	—	44	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Chloride	—	47.6	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.28	—	—	0.033	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.152	—	—	0.03	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.146	—	—	0.014	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Fluoride	—	0.4	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.38	—	—	—	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
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.283	—	—	0.033	mg/L	—	—	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.611	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	82.9	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	74	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	81.3	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	73.3	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.37	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.67	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.19	—	—	0.0045	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Magnesium	—	5.2	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.1	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.25	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.64	—	—	0.085	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.27	—	—	0.0045	mg/L	B	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	5.1	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.985	—	—	0.014	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.194	—	—	0.003	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.22	—	—	0.0069	mg/L	J	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	FD	Inorg	353.2	Nitrate-Nitrite as N	—	0.65	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.61	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.968	—	—	0.014	mg/L	—	—	GELC
LAO-1.6g	10.5	6/23/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.64	—	—	—	mg/L	—	NQ	KA
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.239	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.151	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.371	—	—	0.05	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	4	—	—	0.958	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
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.63	—	—	0.01	SU	H	J	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.37	—	—	0.01	SU	H	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	79—4	pH	—	6.4	—	—	—	SU	—	NQ	HUFFMAN
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.74	—	—	0.01	SU	H	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.44	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Potassium	—	5.35	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Potassium	<	5.53	—	—	0.0071	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.35	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	5.05	—	—	0.05	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Potassium	<	5.69	—	—	0.0071	mg/L	B	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	4.9	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	42.1	—	—	0.032	mg/L	—	J	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	36	—	—	0.032	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.5	—	—	0.032	mg/L	—	J	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	43.6	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	6010	Sodium	—	46.3	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	32.3	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	43.1	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	46	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32.4	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	388	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	357	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	380	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	10.7	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	300	Sulfate	—	15.7	—	—	0.057	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.81	—	—	0.062	mg/L	J	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	12	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	10.6	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Inorg	300	Sulfate	—	15.2	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	243	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	210	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	245	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.03	—	—	0.01	mg/L	J	J, 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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.13	—	—	0.01	mg/L	—	U	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.136	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.69	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.21	—	—	0.041	mg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.2	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0041	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.109	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.099	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Aluminum	—	93.3000031	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Aluminum	—	32	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Aluminum	—	35	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Aluminum	—	86	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	979	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	160	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	66.6	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Barium	—	62.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Barium	—	68.699997	—	—	0.16	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Barium	—	49	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	66.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Barium	—	61.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Barium	—	72.8000031	—	—	0.16	µg/L	—	NQ	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	18.8	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Boron	—	17.3	—	—	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
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Boron	—	11.3000002	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Met	6010	Boron	—	62.9	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	18.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Boron	—	15.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Boron	—	10.1999998	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Met	6010	Boron	—	55.8	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Iron	—	23.5	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Iron	—	28.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Iron	<	32.2000008	—	—	21	µg/L	B	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Iron	—	26	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Iron	—	40	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	91.8	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Iron	—	63.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Iron	—	449	—	—	21	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Iron	—	84	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	8.1	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6020	Manganese	—	7	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Manganese	<	0.67000002	—	—	2.9000001	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Manganese	<	0.044	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Manganese	—	0.28	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	20.2	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6020	Manganese	—	14.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Manganese	—	9.09000015	—	—	2.9000001	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Manganese	—	0.51	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Molybdenum	—	79	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6020	Molybdenum	—	113	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	79.8000031	—	—	0.59	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Molybdenum	—	140	—	—	—	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
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	77.6	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	108	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	77.699997	—	—	0.59	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.98	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	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
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Strontium	—	135	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	146	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Strontium	—	133	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.14	—	—	0.018	µg/L	BE	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	RE	FD	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.22	—	—	0.018	µg/L	BE	J	GELC
LAO-1.6g	10.5	6/23/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.13	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	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
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Vanadium	<	1.8	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.85000002	—	—	1.1	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Vanadium	—	0.59	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Vanadium	<	0.38	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Vanadium	<	1.5	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	1.86000001	—	—	1.1	µg/L	B	J	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	0.71	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Met	6010	Zinc	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.79999995	—	—	2.8	µg/L	B	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	2.4	—	—	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
LAO-1.6g	10.5	5/4/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Met	6010	Zinc	<	3.59999991	—	—	2.8	µg/L	B	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0297	0.0094	0.0279	—	pCi/L	—	J	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0142	0.00672	0.037	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0157	0.0074	0.018999999	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.019	0.011	0.026	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.005	0.0055	0.01	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0385	0.0123	0.0304	—	pCi/L	—	J	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0241	0.0082	0.0073	—	pCi/L	—	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.009	0.013	0.052	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.011	0.009	0.018	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.94	1.22	3.6	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.23	0.908	2.95	—	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
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.29699999	0.589999974	2.099999905	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-3.9	4.15	7.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.66	2.79	3.4	—	pCi/L	UI	R	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0	0.730000019	2.900000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	5.2	4.8	7.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	0.8	1.55	2.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.681	1.33	4.5	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.05	1.01	3.69	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.773000002	0.639999986	2.200000048	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	6/19/2001	WG	F	CS	FD	Rad	GS	Cobalt-60	—	-2	5	8.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	6/19/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	-3	6.5	11	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.943	1.09	4.21	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.963	0.600000024	2.400000095	—	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
LAO-1.6g	10.5	6/19/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4	6	10	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	3/29/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	0.8	1.85	3	—	pCi/L	U	U	PARA
LAO-1.6g	10.5	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.77	0.509	1.21	—	pCi/L	—	J, J-	GELC
LAO-1.6g	10.5	5/4/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.336	0.471	2.07	—	pCi/L	U	U	GELC
LAO-1.6g	10.5	4/10/1997	WG	F	CS	NA	Rad	900	Gross alpha	—	4.87	0.53	1.1	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.5	7/19/1996	WG	F	CS	NA	Rad	900	Gross alpha	—	-390	460	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.5	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.164	0.312	1.48	—	pCi/L	U	J-, U	GELC
LAO-1.6g	10.5	4/10/1997	WG	UF	CS	NA	Rad	900	Gross alpha	—	1.85	0.4	1.09	—	pCi/L	J	NQ	RFWC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1	3.65	6.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.423	0.509	1.68	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	2.13	1.27	4.26	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	1.96	2.86	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.276	0.733	2.77	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	2.3	3.45	5.4	—	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
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.188	1.14	4.14	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.175	0.747	2.72	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4.8	4.15	7.5	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.244	0.574	2.04	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.42	0.801	2.22	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross alpha	—	2.74	0.669	1.82	—	pCi/L	—	J-	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross alpha	—	3.88	0.647	1.31	—	pCi/L	—	J-	GELC
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.43	0.862	1.54	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	4.53	1.26	2.49	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.43	0.382	0.986	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.315	0.596	2.49	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	66.2	2.02	2.3	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	900	Gross beta	—	148	2.75	2.06	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	900	Gross beta	—	123	3.34	2.82	—	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
DP Spring	—	4/3/2001	WG	F	CS	—	Rad	900	Gross beta	—	214	13.5	3.06	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	75.7	3.51	3.63	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	900	Gross beta	—	128	4.28	2.07	—	pCi/L	—	J	GELC
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	900	Gross beta	—	228	11.6	2.93	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.8	63.5	252	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	104	133	345	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Gross gamma	—	86.4	10.2	278	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	77.7	64.1	299	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.8	87.9	251	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.52	8	27.4	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-7.45	7	21.8	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-19.6	8.63	24.9	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-7	12.5	21	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.34	8.98	31.1	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-5.93	5.97	18.6	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	5	10.5	17	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.1	5.68	14.8	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0111	0.00826	0.0354	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00253	0.0076	0.053	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-238	—	-0.00741	0.00742	0.051	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.009	0.0065	0.05	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0367	0.0148	0.0392	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00678	0.00598	0.047	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.006	0.0065	0.044	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0131	0.00758	0.0118	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0995	0.0233	0.0413	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00802	0.044	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.0259	0.0112	0.046	—	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
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.005	0.0075	0.03	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.179	0.0319	0.0456	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0249	0.00755	0.04	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.01	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00871	0.00618	0.0118	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	38	14.6	60.5	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	29.7	18	23.2	—	pCi/L	UI	R	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.39	14.4	28.5	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-10	55	93	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	41.7	17.1	37.1	—	pCi/L	UI	R	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.9	8.69	35.2	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	20	70	120	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	—	19	13	19.2	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.767	0.866	3.04	—	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
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.976	0.819	2.83	—	pCi/L	U	U	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.485	0.756	3.08	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.8	3.2	5.4	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.617	0.939	3.31	—	pCi/L	U	U	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.101	0.722	2.59	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0.8	4.4	7.1	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.299	0.553	1.98	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	31.1	0.932	0.615	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	76.8	1.42	0.304	—	pCi/L	—	—	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	GFPC	Strontium-90	—	60.5	7.46	0.274	—	pCi/L	—	—	GELC
DP Spring	—	4/24/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	169	23	0.9	—	pCi/L	—	NQ	GEL
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	26.2	0.976	0.623	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	77.2	1.39	0.342	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	73	7	2.6	—	pCi/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
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	905	Strontium-90	—	113	14.2	0.211	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.889	0.0873	0.0894	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.977	0.0593	0.066	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-234	—	0.419	0.0399	0.048	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.48	0.08	0.062	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.867	0.0769	0.0686	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.975	0.0618	0.074	—	pCi/L	—	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.4	0.07	0.069	—	pCi/L	—	NQ	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.378	0.0468	0.0468	—	pCi/L	—	—	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.228	0.0402	0.0757	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.104	0.0164	0.04	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0167	0.0094	0.028	—	pCi/L	U	U	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.046	0.026	0.074	—	pCi/L	U	U	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00731	0.0103	0.0581	—	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
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.097	0.0162	0.045	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.002	0.0105	0.045	—	pCi/L	U	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0107	0.00625	0.0097	—	pCi/L	—	J	GELC
DP Spring	—	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.296	0.0432	0.095	—	pCi/L	—	—	GELC
DP Spring	—	5/6/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.14	0.0184	0.047	—	pCi/L	—	J	GELC
DP Spring	—	8/27/2003	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0854	0.0153	0.031	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.123	0.0385	0.054	—	pCi/L	—	NQ	PARA
DP Spring	—	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0916	0.0211	0.0729	—	pCi/L	—	J	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.118	0.0188	0.052	—	pCi/L	—	J	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.082	0.033	0.075	—	pCi/L	LT	U	PARA
DP Spring	—	4/3/2001	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0285	0.0125	0.0331	—	pCi/L	U	U	GELC
DP Spring	—	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
DP Spring	—	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.37	—	—	1.25	µg/L	J	—	GELC
DP Spring	—	5/6/2005	WG	UF	CS	—	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
DP Spring	—	5/6/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	—	Voa	8260	Acetone	—	5.5	—	—	—	µg/L	—	—	GELC
DP Spring	—	8/27/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
DP Spring	—	6/22/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/L	U	U	PARA
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	0.725	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Calcium	—	18.4	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Chloride	—	50.2	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Chloride	—	52.1	—	—	0.66	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.176	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.169	—	—	0.033	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.9	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	64.7	—	—	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
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.37	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.46	—	—	0.085	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.168	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.18	—	—	0.014	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.0765	—	—	0.05	µg/L	J	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.11	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.03	—	—	0.01	SU	H	J	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.05	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAO-0.3	5.9	7/31/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	37.3	—	—	0.032	mg/L	N	J+	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	36	—	—	0.032	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.5	—	—	0.032	mg/L	—	J	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	43.6	—	—	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
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	6010	Sodium	—	46.3	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	32.3	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	43.1	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	46	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32.4	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	388	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	357	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	380	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	10.7	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	300	Sulfate	—	15.7	—	—	0.057	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.81	—	—	0.062	mg/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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	12	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	10.6	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Inorg	300	Sulfate	—	15.2	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	243	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	210	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	245	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.03	—	—	0.01	mg/L	J	J, JN-	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.13	—	—	0.01	mg/L	—	U	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.136	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.69	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.21	—	—	0.041	mg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.2	—	—	—	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
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0041	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.109	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.099	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Aluminum	—	93.30000305	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Aluminum	—	32	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Aluminum	—	35	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Aluminum	—	86	—	—	68	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	979	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	160	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	66.6	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Barium	—	62.1	—	—	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
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Barium	—	68.69999695	—	—	0.159999996	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Barium	—	49	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	66.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Barium	—	61.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Barium	—	72.80000305	—	—	0.159999996	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	18.8	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Boron	—	17.3	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Boron	—	11.30000019	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Met	6010	Boron	—	62.9	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	18.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Boron	—	15.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Boron	—	10.19999981	—	—	3	µg/L	B	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
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Met	6010	Boron	—	55.8	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Iron	—	23.5	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Iron	—	28.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Iron	<	32.20000076	—	—	21	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Iron	—	26	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Iron	—	40	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	91.8	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Iron	—	63.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Iron	—	449	—	—	21	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Iron	—	84	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	8.1	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6020	Manganese	—	7	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Manganese	<	0.67000017	—	—	2.900000095	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Manganese	<	0.044	—	—	—	µg/L	U	UJ	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Manganese	—	0.28	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	20.2	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6020	Manganese	—	14.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Manganese	—	9.090000153	—	—	2.900000095	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Manganese	—	0.51	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Molybdenum	—	79	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6020	Molybdenum	—	113	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	79.80000305	—	—	0.589999974	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	77.6	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	108	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	77.69999695	—	—	0.589999974	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74000001	µg/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.98	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74000001	µg/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Strontium	—	135	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	146	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Strontium	—	133	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.18	—	—	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
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.140000001	—	—	0.017999999	µg/L	BE	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	RE	FD	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.22	—	—	0.017999999	µg/L	BE	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.13	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Vanadium	<	1.8	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.850000024	—	—	1.100000024	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Vanadium	—	0.59	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Vanadium	<	0.38	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	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
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Vanadium	<	1.5	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	1.860000014	—	—	1.100000024	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	0.71	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Zinc	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.799999952	—	—	2.799999952	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	2.4	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Zinc	<	3.599999905	—	—	2.799999952	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0297	0.0094	0.0279	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0142	0.00672	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
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.015699999	0.0074	0.018999999	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.019	0.011	0.026	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.005	0.0055	0.01	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0385	0.0123	0.0304	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0241	0.0082	0.0073	—	pCi/L	—	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.009	0.013	0.052	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.011	0.009	0.018	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.94	1.22	3.6	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.23	0.908	2.95	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.296999991	0.589999974	2.099999905	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-3.9	4.15	7.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.66	2.79	3.4	—	pCi/L	UI	R	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0	0.730000019	2.900000095	—	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
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	5.2	4.8	7.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	0.8	1.55	2.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.681	1.33	4.5	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.05	1.01	3.69	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.773000002	0.639999986	2.200000048	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Cobalt-60	—	-2	5	8.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	-3	6.5	11	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.943	1.09	4.21	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.963	0.600000024	2.400000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4	6	10	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	0.8	1.85	3	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.77	0.509	1.21	—	pCi/L	—	J, J-	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.336	0.471	2.07	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	900	Gross alpha	—	4.87	0.53	1.1	—	pCi/L	—	NQ	RFWC

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
LAO-1.6g	10.47	7/19/1996	WG	F	CS	NA	Rad	900	Gross alpha	—	-390	460	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.164	0.312	1.48	—	pCi/L	U	J-, U	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	900	Gross alpha	—	1.85	0.4	1.09	—	pCi/L	J	NQ	RFWC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.38	0.929	2.99	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	900	Gross beta	—	5.22	0.835	2.61	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	900	Gross beta	—	14.5	0.62	1.32	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.47	7/19/1996	WG	F	CS	NA	Rad	900	Gross beta	—	5820	775	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.2	0.769	1.53	—	pCi/L	—	—	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	900	Gross beta	—	7.38	0.51	1.29	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	145	70.6	364	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.5	52.5	291	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	901.1	Gross gamma	—	0.1	1.35	5.51	—	pCi/L	U	U	RFWC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	161	92.8	336	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	1.81	1.99	8.07	—	pCi/L	U	U	RFWC

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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	6.03	9.02	30	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	4.42	6.38	21.7	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Neptunium-237	—	1	13	22	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	1	16	26	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	5.6	4.05	6.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	3.25	7.28	24.4	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-8	12	20	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-14	15	25	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/23/2000	WG	UF	CS	FD	Rad	GS	Neptunium-237	—	0	9.5	16	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/23/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	6	10	17	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00911	0.0232	0.0438	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00776	0.043	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.0103	0.0085	0.033	—	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.0057	0.0045	0.033	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.0056	0.0044	0.033	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00752	0.00922	0.0361	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00396	0.004	0.011	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.0019	0.0045	0.023	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.006	0.0095	0.019	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0182	0.0171	0.051	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00415	0.00586	0.036	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.02	0.01	0.09	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.0089	—	pCi/L	LT	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.01	0.03	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0489	0.0157	0.0421	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.05	0.01	0.1	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.003	0.005	0.02	—	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
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.004	0.0095	0.03	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.3	16.7	54.9	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	30.9	12.4	28.4	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	0	17	19	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Potassium-40	—	-110	75	130	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	50	70	110	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	42.7	17.3	32.9	—	pCi/L	UI	R	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	0	15	22	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	90	80	120	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-41	48.5	81	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.112	1.3	4.38	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.567	1.01	2.95	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-1.149999976	0.579999983	1.899999976	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Sodium-22	—	0	5.5	8.8	—	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	6	6	8.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.27	0.924	3.51	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.284000009	0.649999976	2.400000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0	4.95	8.1	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-1	1.85	3.1	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.109	0.0898	0.315	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.278	0.0891	0.325	—	pCi/L	—	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.399	0.1	0.28	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	905.0	Strontium-90	—	1.6	0.8	2.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.1	0.85	3	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0222	0.0634	0.22	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.387	0.097	0.25	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	-0.8	0.7	2.6	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	-0.5	1	—	—	pCi/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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.103	0.0217	0.0676	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0421	0.0121	0.071	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.064599998	0.018999999	0.054000001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.034	0.016	0.041	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.053	0.022	0.055	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0995	0.0277	0.087	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.076700002	0.02	0.052000001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.04	0.019	0.048	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.084	0.022	0.017	—	pCi/L	LT	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.00224	0.00623	0.0572	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0188	0.00817	0.044	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	-0.00318	0.0073	0.043000001	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.006	0.008	0.032	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	-0.003	0.0065	0.034	—	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
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.0115	0.0161	0.0737	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0255	0.01	0.026000001	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.004	0.0075	0.015	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.027	0.013	0.039	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0938	0.0212	0.0719	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0304	0.0103	0.05	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.047800001	0.014	0.027000001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.038	0.016	0.032	—	pCi/L	LT	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.026	0.015	0.034	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0746	0.0214	0.0925	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0458	0.015	0.041999999	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.073	0.023	0.033	—	pCi/L	LT	NQ	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.051	0.018	0.044	—	pCi/L	LT	U	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	117	—	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	106	—	—	1.45	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	102	—	—	1.45	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	80.1	—	—	0.725	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	107	—	—	0.725	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Bromide	—	1.88	—	—	0.066	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Bromide	—	1.16	—	—	0.041	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Inorg	300	Bromide	—	0.358	—	—	—	mg/L	—	NQ	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Bromide	—	1.88	—	—	0.066	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Calcium	—	31.6	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Calcium	—	27.1	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Calcium	—	25.8	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	19.6	—	—	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
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	32.4	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	21	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	22.1	—	—	0.89	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Chloride	—	43.7	—	—	0.33	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Chloride	—	74.9	—	—	0.53	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Chloride	—	53.8	—	—	0.161	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Chloride	—	64	—	—	0.322	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Chloride	—	63.7	—	—	0.322	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Chloride	—	44.4	—	—	0.33	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.809	—	—	0.033	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.74	—	—	0.03	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.765	—	—	0.0553	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Fluoride	—	0.637	—	—	0.0553	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Fluoride	—	0.637	—	—	0.0553	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.761	—	—	0.033	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	72.1	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	103	—	—	0.02	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	200.7	Hardness	—	110	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	200.7	Hardness	—	96.2	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	69.8	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	103	—	—	0.02	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	113	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	5.21	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	6.74	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	7.59	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Magnesium	—	6.94	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Magnesium	—	6.58	—	—	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.05	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.72	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	7.77	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.1	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.29	—	—	0.014	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.967	—	—	0.003	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.69	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.23	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.37	—	—	0.014	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.451	—	—	0.05	µg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.624	—	—	0.05	µg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.88	—	—	0.01	SU	H	J	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	150.1	pH	—	7.03	—	—	—	SU	H	J	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	150.1	pH	—	6.6	—	—	0.01	SU	H	J	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	150.1	pH	—	6.63	—	—	0.01	SU	H	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.99	—	—	0.01	SU	H	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.66	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Potassium	—	8.98	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Potassium	—	8.05	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Potassium	—	8.7	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Potassium	—	8.4	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.86	—	—	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
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	9.01	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	8.22	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	6.5	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	45.3	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	44.4	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	49.6	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	40.6	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	38.9	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	44	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.1	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	38.1	—	—	0.0212	mg/L	—	J	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB[u]	Inorg	6010	Silicon Dioxide	—	0.1	—	—	0.0212	mg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Sodium	—	57.9	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Sodium	—	65.3	—	—	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
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Sodium	—	61.2	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Sodium	—	48.2	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Sodium	—	46.1	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	55.7	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	65.2	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	62.6	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	417	—	—	1	uS/cm	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	520	—	—	1	uS/cm	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	9050	Specific Conductance	—	418	—	—	1	uS/cm	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	9050	Specific Conductance	—	249	—	—	1	uS/cm	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	412	—	—	1	uS/cm	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Sulfate	—	15.4	—	—	0.1	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Sulfate	—	23.2	—	—	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
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Sulfate	—	32.7	—	—	0.193	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Sulfate	—	8.95	—	—	0.193	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Sulfate	—	8.88	—	—	0.193	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	15.2	—	—	0.1	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	269	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	334	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	191	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	247	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	250	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	268	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.08	—	—	0.01	mg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.16	—	—	0.01	mg/L	—	JN-	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.105	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.31	—	—	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
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.4	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.11	—	—	0.01	mg/L	—	J-	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.119	—	—	0.01	mg/L	—	J-	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Aluminum	—	785	—	—	68	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Aluminum	—	62.5	—	—	14.7	µg/L	B	J-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Aluminum	<	73.9	—	—	14.7	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Aluminum	—	63.7	—	—	14.7	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Aluminum	—	759	—	—	68	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Aluminum	—	165	—	—	68	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Aluminum	—	240	—	—	14.7	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Aluminum	<	210	—	—	14.7	µg/L	—	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Barium	—	60.5	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Barium	—	85.5	—	—	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
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Barium	—	83.7	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Barium	—	75.1	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Barium	—	71.4	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Barium	—	58.4	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Barium	—	86.5	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Barium	—	89.9	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Barium	—	69.8	—	—	0.222	µg/L	—	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Boron	—	36.3	—	—	10	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Boron	—	33	—	—	10	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Boron	—	41.9	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Boron	—	33.7	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Boron	—	31.3	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Boron	—	35.3	—	—	10	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Boron	—	34	—	—	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
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Boron	—	45.2	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Boron	—	30.6	—	—	4.88	µg/L	B	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.13	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6020	Cadmium	—	0.095	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.12	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Cadmium	—	0.11	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6020	Cadmium	—	0.071	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6020	Cadmium	—	0.069	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Met	6020	Cadmium	—	0.08	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Chromium	—	4.1	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Chromium	—	1	—	—	1	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
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Chromium	—	2.34	—	—	0.503	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Chromium	<	1.12	—	—	0.503	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Chromium	—	0.907	—	—	0.503	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Chromium	—	3.7	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Chromium	—	4.15	—	—	0.503	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Chromium	<	0.79	—	—	0.503	µg/L	B	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Iron	—	375	—	—	18	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Iron	—	45.9	—	—	18	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Iron	—	27.5	—	—	12.6	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Iron	<	36.7	—	—	12.6	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Iron	—	28	—	—	12.6	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Iron	—	418	—	—	18	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Iron	—	204	—	—	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
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Iron	—	141	—	—	12.6	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Iron	<	130	—	—	12.6	µg/L	—	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Manganese	—	4.4	—	—	2	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Manganese	—	3	—	—	1	µg/L	EJ	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Manganese	—	2.99	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Manganese	<	1.81	—	—	0.296	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Manganese	—	1.49	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.3	—	—	2	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Manganese	—	3.8	—	—	1	µg/L	EJ	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Manganese	—	3.63	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Manganese	—	3.52	—	—	0.296	µg/L	B	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Molybdenum	—	296	—	—	2	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Molybdenum	—	721	—	—	0.1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Molybdenum	—	1020	—	—	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
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Molybdenum	—	288	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Molybdenum	—	274	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	287	—	—	2	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	726	—	—	0.1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	1050	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Molybdenum	—	267	—	—	1.43	µg/L	—	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Nickel	<	1.9	—	—	1	µg/L	J	U	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Nickel	<	1.15	—	—	0.69	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Nickel	—	0.933	—	—	0.69	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	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
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Nickel	—	0.866	—	—	0.69	µg/L	B	JN-	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Strontium	—	133	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Strontium	—	199	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Strontium	—	205	—	—	0.178	µg/L	—	—	GELC
LAO-2	7	7/10/2003	WG	F	CS	FB	Met	6010	Strontium	<	0.178	—	—	0.178	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Strontium	—	128	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Strontium	—	199	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Strontium	—	211	—	—	0.178	µg/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Met	6010	Strontium	<	0.178	—	—	0.178	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.5	—	—	1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Vanadium	—	0.731	—	—	0.606	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Vanadium	<	2.97	—	—	0.606	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Vanadium	—	2.49	—	—	0.606	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Vanadium	—	3.1	—	—	1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Vanadium	—	2.26	—	—	0.606	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Vanadium	<	2.3	—	—	0.606	µg/L	B	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.013	0.00635	0.0256	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0085	0.0116	0.034	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.002	0.0075	0.039	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Americium-241	—	0.0313	0.0149	0.0384	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0353	0.0108	0.0283	—	pCi/L	—	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	-0.00901	0.0139	0.04	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0153	0.0066	0.031	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.00603	0.00604	0.029	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Americium-241	—	0.014	0.00574	0.033	—	pCi/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.66	1.81	4.6	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.324	0.951	3.4	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-4.5	3.5	6.2	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.0617	0.592	2.08	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.267	1.08	4.02	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.624	1.9	6.79	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-2.78	2.13	7.15	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Cesium-137	—	4.9	5.47	9.01	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	1.26	1.01	3.83	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.13	1.06	4.57	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.966	3.8	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	1	4.35	7	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.565	2.22	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.499	1.28	4.91	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.33	1.81	7.48	—	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
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.401	2.16	8.14	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	2.66	2.23	8.62	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	2.58	1.01	4.37	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.81	0.498	1.81	—	pCi/L	U	J-, U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross alpha	—	1.14	0.565	2.05	—	pCi/L	U	U	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.6	0.818	0.89	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.72	0.739	2.71	—	pCi/L	U	J-, U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	0.927	0.356	1.12	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	1.47	0.609	1.53	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross alpha	—	1.33	0.573	1.49	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.566	0.236	1.15	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross beta	—	39.8	2.65	2.46	—	pCi/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross beta	—	100	7.6	2.64	—	pCi/L	—	—	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross beta	—	51.5	3.6	2.34	—	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross beta	—	34.8	1.65	3.04	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross beta	—	66.9	2.1	2.03	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross beta	—	55.9	1.33	1.38	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross beta	—	60	1.44	1.38	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross beta	—	0.34	0.494	1.85	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	71.1	65.4	303	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	120	110	378	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	65.4	64.7	230	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.6	124	352	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	205	152	397	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	269	204	944	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	163	213	338	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-1.69	10.9	32.4	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.31	9.12	23.6	—	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
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-1	14	23	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Neptunium-237	—	0	6.38	17.4	—	pCi/L	U	R	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.18	8.3	28.5	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-18.8	12.7	41.1	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.2	10.5	33.7	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	1.23	12.6	41.9	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	5.73	7.69	15.2	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00174	0.0167	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00766	0.00977	0.04	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.014	0.006	0.055	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Plutonium-238	—	1.08E-09	0.00643	0.0335	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00169	0.00169	0.0162	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	36	—	—	0.032	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.5	—	—	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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	43.6	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	6010	Sodium	—	46.3	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	32.3	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	43.1	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	46	—	—	0.045	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32.4	—	—	0.0081	mg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	23	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	388	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	357	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	380	—	—	1	uS/cm	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	10.7	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	300	Sulfate	—	15.7	—	—	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
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	9.81	—	—	0.062	mg/L	J	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	12	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	10.6	—	—	0.1	mg/L	—	—	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Inorg	300	Sulfate	—	15.2	—	—	—	mg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	243	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	210	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	245	—	—	2.38	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.03	—	—	0.01	mg/L	J	J, JN-	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.13	—	—	0.01	mg/L	—	U	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.136	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.69	—	—	0.33	mg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.21	—	—	0.041	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
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.2	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0041	—	—	—	mg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.109	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.099	—	—	0.01	mg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Aluminum	—	93.30000305	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Aluminum	—	32	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Aluminum	—	35	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Aluminum	—	86	—	—	68	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	979	—	—	34	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Aluminum	—	160	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	66.6	—	—	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
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Barium	—	62.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Barium	—	68.69999695	—	—	0.159999996	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Barium	—	49	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	66.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Barium	—	61.3	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Barium	—	72.80000305	—	—	0.159999996	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Barium	—	48	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	18.8	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Boron	—	17.3	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Boron	—	11.30000019	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Met	6010	Boron	—	62.9	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	18.6	—	—	10	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Boron	—	15.6	—	—	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
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Boron	—	10.19999981	—	—	3	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Met	6010	Boron	—	55.8	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Iron	—	23.5	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Iron	—	28.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Iron	<	32.20000076	—	—	21	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Iron	—	26	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Iron	—	40	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	91.8	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Iron	—	63.6	—	—	18	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Iron	—	449	—	—	21	µg/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Iron	—	84	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	8.1	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6020	Manganese	—	7	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Manganese	<	0.67000017	—	—	2.900000095	µg/L	B	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Manganese	<	0.044	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Manganese	—	0.28	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	20.2	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6020	Manganese	—	14.1	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Manganese	—	9.090000153	—	—	2.900000095	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Manganese	—	0.51	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Molybdenum	—	79	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6020	Molybdenum	—	113	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	79.80000305	—	—	0.589999974	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	77.6	—	—	2	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	108	—	—	0.1	µg/L	—	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	77.69999695	—	—	0.589999974	µg/L	B	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
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Molybdenum	—	140	—	—	—	µg/L	—	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74000001	µg/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.98	—	—	0.5	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74000001	µg/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Nickel	<	0.3	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Strontium	—	135	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	146	—	—	1	µg/L	—	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Strontium	—	133	—	—	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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.140000001	—	—	0.017999999	µg/L	BE	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	RE	FD	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.09	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.18	—	—	0.05	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.22	—	—	0.017999999	µg/L	BE	J	GELC
LAO-1.6g	10.47	6/23/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.13	—	—	—	µg/L	B	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	—	µg/L	—	NQ	ESE
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Vanadium	<	1.8	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.850000024	—	—	1.100000024	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Vanadium	—	0.59	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Vanadium	<	0.38	—	—	—	µg/L	U	UJ	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
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Vanadium	<	1.5	—	—	1	µg/L	J	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	1.8600000 14	—	—	1.1000000 24	µg/L	B	J	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	0.71	—	—	—	µg/L	B	J	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Met	6010	Zinc	—	2.2	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.7999999 52	—	—	2.7999999 52	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	2.4	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	5/4/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Met	6010	Zinc	<	3.5999999 05	—	—	2.7999999 52	µg/L	B	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Met	6010	Zinc	<	0.31	—	—	—	µg/L	U	UJ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0297	0.0094	0.0279	—	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
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0142	0.00672	0.037	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.015699999	0.0074	0.018999999	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.019	0.011	0.026	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.005	0.0055	0.01	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0385	0.0123	0.0304	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0241	0.0082	0.0073	—	pCi/L	—	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.009	0.013	0.052	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.011	0.009	0.018	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.94	1.22	3.6	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-1.23	0.908	2.95	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.296999991	0.589999974	2.099999905	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-3.9	4.15	7.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	8.66	2.79	3.4	—	pCi/L	UI	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
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0	0.730000019	2.900000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	5.2	4.8	7.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	0.8	1.55	2.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.681	1.33	4.5	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.05	1.01	3.69	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.773000002	0.639999986	2.200000048	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Cobalt-60	—	-2	5	8.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	-3	6.5	11	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.943	1.09	4.21	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.963	0.600000024	2.400000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-4	6	10	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	0.8	1.85	3	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.77	0.509	1.21	—	pCi/L	—	J, J-	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.336	0.471	2.07	—	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
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	900	Gross alpha	—	4.87	0.53	1.1	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.47	7/19/1996	WG	F	CS	NA	Rad	900	Gross alpha	—	-390	460	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.164	0.312	1.48	—	pCi/L	U	J-, U	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	900	Gross alpha	—	1.85	0.4	1.09	—	pCi/L	J	NQ	RFWC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.38	0.929	2.99	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	900	Gross beta	—	5.22	0.835	2.61	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	900	Gross beta	—	14.5	0.62	1.32	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.47	7/19/1996	WG	F	CS	NA	Rad	900	Gross beta	—	5820	775	—	—	pCi/L	—	NQ	RGGJ
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.2	0.769	1.53	—	pCi/L	—	—	GELC
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	900	Gross beta	—	7.38	0.51	1.29	—	pCi/L	—	NQ	RFWC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	145	70.6	364	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	74.5	52.5	291	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	4/10/1997	WG	F	CS	NA	Rad	901.1	Gross gamma	—	0.1	1.35	5.51	—	pCi/L	U	U	RFWC
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	161	92.8	336	—	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
LAO-1.6g	10.47	4/10/1997	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	1.81	1.99	8.07	—	pCi/L	U	U	RFWC
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	6.03	9.02	30	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	4.42	6.38	21.7	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Neptunium-237	—	1	13	22	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	1	16	26	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	5.6	4.05	6.5	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	3.25	7.28	24.4	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-8	12	20	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-14	15	25	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/23/2000	WG	UF	CS	FD	Rad	GS	Neptunium-237	—	0	9.5	16	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/23/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	6	10	17	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00911	0.0232	0.0438	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00776	0.043	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.0103	0.0085	0.033	—	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.0057	0.0045	0.033	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.0056	0.0044	0.033	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00752	0.00922	0.0361	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00396	0.004	0.011	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.0019	0.0045	0.023	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.006	0.0095	0.019	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0182	0.0171	0.051	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00415	0.00586	0.036	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.02	0.01	0.09	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.0089	—	pCi/L	LT	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.01	0.03	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0489	0.0157	0.0421	—	pCi/L	U	J+, U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.05	0.01	0.1	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.003	0.005	0.02	—	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
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.004	0.0095	0.03	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	7.3	16.7	54.9	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	30.9	12.4	28.4	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	0	17	19	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Potassium-40	—	-110	75	130	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	50	70	110	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	42.7	17.3	32.9	—	pCi/L	UI	R	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	0	15	22	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	90	80	120	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-41	48.5	81	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.112	1.3	4.38	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.567	1.01	2.95	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-1.149999976	0.579999983	1.899999976	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	GS	Sodium-22	—	0	5.5	8.8	—	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
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	6	6	8.2	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.27	0.924	3.51	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.284000009	0.649999976	2.400000095	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	0	4.95	8.1	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-1	1.85	3.1	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.109	0.0898	0.315	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.278	0.0891	0.325	—	pCi/L	—	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.399	0.1	0.28	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	905.0	Strontium-90	—	1.6	0.8	2.7	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.1	0.85	3	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0222	0.0634	0.22	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.387	0.097	0.25	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	-0.8	0.7	2.6	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	-0.5	1	—	—	pCi/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
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.103	0.0217	0.0676	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0421	0.0121	0.071	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0645999 98	0.0189999 99	0.05400 0001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.034	0.016	0.041	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.053	0.022	0.055	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0995	0.0277	0.087	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0767000 02	0.02	0.05200 0001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.04	0.019	0.048	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.084	0.022	0.017	—	pCi/L	LT	NQ	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.00224	0.00623	0.0572	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0188	0.00817	0.044	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	-0.00318	0.0073	0.04300 0001	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.006	0.008	0.032	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	-0.003	0.0065	0.034	—	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
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.0115	0.0161	0.0737	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0255	0.01	0.026000001	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.004	0.0075	0.015	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.027	0.013	0.039	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0938	0.0212	0.0719	—	pCi/L	—	J	GELC
LAO-1.6g	10.47	5/4/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0304	0.0103	0.05	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.047800001	0.014	0.027000001	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.038	0.016	0.032	—	pCi/L	LT	U	PARA
LAO-1.6g	10.47	6/19/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.026	0.015	0.034	—	pCi/L	U	U	PARA
LAO-1.6g	10.47	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0746	0.0214	0.0925	—	pCi/L	U	U	GELC
LAO-1.6g	10.47	11/8/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0458	0.015	0.041999999	—	pCi/L	—	NQ	GELC
LAO-1.6g	10.47	6/19/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.073	0.023	0.033	—	pCi/L	LT	NQ	PARA
LAO-1.6g	10.47	3/29/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.051	0.018	0.044	—	pCi/L	LT	U	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	117	—	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	106	—	—	1.45	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	102	—	—	1.45	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	80.1	—	—	0.725	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	107	—	—	0.725	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Bromide	—	1.88	—	—	0.066	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Bromide	—	1.16	—	—	0.041	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Inorg	300	Bromide	—	0.358	—	—	—	mg/L	—	NQ	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Bromide	—	1.88	—	—	0.066	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Calcium	—	31.6	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Calcium	—	27.1	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Calcium	—	25.8	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	19.6	—	—	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
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.036	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	32.4	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	21	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	22.1	—	—	0.89	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Chloride	—	43.7	—	—	0.33	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Chloride	—	74.9	—	—	0.53	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Chloride	—	53.8	—	—	0.161	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Chloride	—	64	—	—	0.322	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Chloride	—	63.7	—	—	0.322	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Chloride	—	44.4	—	—	0.33	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.809	—	—	0.033	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.74	—	—	0.03	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.765	—	—	0.0553	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Fluoride	—	0.637	—	—	0.0553	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Fluoride	—	0.637	—	—	0.0553	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.761	—	—	0.033	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	72.1	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	103	—	—	0.02	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	200.7	Hardness	—	110	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	200.7	Hardness	—	96.2	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	69.8	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	103	—	—	0.02	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	113	—	—	0.00554	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	5.21	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	6.74	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	7.59	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Magnesium	—	6.94	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Magnesium	—	6.58	—	—	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.05	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.72	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	7.77	—	—	0.00518	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.1	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.29	—	—	0.014	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.967	—	—	0.003	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.69	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.23	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.37	—	—	0.014	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.451	—	—	0.05	µg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.624	—	—	0.05	µg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.88	—	—	0.01	SU	H	J	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	150.1	pH	—	7.03	—	—	—	SU	H	J	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	150.1	pH	—	6.6	—	—	0.01	SU	H	J	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	150.1	pH	—	6.63	—	—	0.01	SU	H	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.99	—	—	0.01	SU	H	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.66	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Potassium	—	8.98	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Potassium	—	8.05	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Potassium	—	8.7	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Potassium	—	8.4	—	—	0.0165	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.86	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	9.01	—	—	0.05	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	8.22	—	—	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
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	6.5	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	45.3	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	44.4	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	49.6	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	40.6	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	38.9	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	44	—	—	0.032	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.1	—	—	0.0212	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	38.1	—	—	0.0212	mg/L	—	J	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	—	0.1	—	—	0.0212	mg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	6010	Sodium	—	57.9	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	6010	Sodium	—	65.3	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	6010	Sodium	—	61.2	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	6010	Sodium	—	48.2	—	—	0.0144	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	6010	Sodium	—	46.1	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	55.7	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	65.2	—	—	0.045	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	62.6	—	—	0.0144	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	32	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	417	—	—	1	uS/cm	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	520	—	—	1	uS/cm	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	9050	Specific Conductance	—	418	—	—	1	uS/cm	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	9050	Specific Conductance	—	249	—	—	1	uS/cm	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	412	—	—	1	uS/cm	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	300	Sulfate	—	15.4	—	—	0.1	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	300	Sulfate	—	23.2	—	—	0.057	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	300	Sulfate	—	32.7	—	—	0.193	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	300	Sulfate	—	8.95	—	—	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	300	Sulfate	—	8.88	—	—	0.193	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	15.2	—	—	0.1	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	269	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	334	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	191	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	247	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	250	—	—	3.07	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	268	—	—	2.38	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.08	—	—	0.01	mg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.16	—	—	0.01	mg/L	—	JN-	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.105	—	—	0.01	mg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	3.31	—	—	0.33	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	2.4	—	—	—	mg/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.11	—	—	0.01	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.119	—	—	0.01	mg/L	—	J-	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Aluminum	—	785	—	—	68	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Aluminum	—	62.5	—	—	14.7	µg/L	B	J-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Aluminum	<	73.9	—	—	14.7	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Aluminum	—	63.7	—	—	14.7	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Aluminum	—	759	—	—	68	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Aluminum	—	165	—	—	68	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Aluminum	—	240	—	—	14.7	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Aluminum	<	210	—	—	14.7	µg/L	—	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Barium	—	60.5	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Barium	—	85.5	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Barium	—	83.7	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Barium	—	75.1	—	—	0.222	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Barium	—	71.4	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Barium	—	58.4	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Barium	—	86.5	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Barium	—	89.9	—	—	0.222	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Barium	—	69.8	—	—	0.222	µg/L	—	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Boron	—	36.3	—	—	10	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Boron	—	33	—	—	10	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Boron	—	41.9	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Boron	—	33.7	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Boron	—	31.3	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Boron	—	35.3	—	—	10	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Boron	—	34	—	—	10	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Boron	—	45.2	—	—	4.88	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Boron	—	30.6	—	—	4.88	µg/L	B	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
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.13	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6020	Cadmium	—	0.095	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.12	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Cadmium	—	0.11	—	—	0.1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6020	Cadmium	—	0.071	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6020	Cadmium	—	0.069	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Met	6020	Cadmium	—	0.08	—	—	0.04	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Chromium	—	4.1	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Chromium	—	1	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Chromium	—	2.34	—	—	0.503	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Chromium	<	1.12	—	—	0.503	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
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Chromium	—	0.907	—	—	0.503	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Chromium	—	3.7	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Chromium	—	4.15	—	—	0.503	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Chromium	<	0.79	—	—	0.503	µg/L	B	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Iron	—	375	—	—	18	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Iron	—	45.9	—	—	18	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Iron	—	27.5	—	—	12.6	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Iron	<	36.7	—	—	12.6	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Iron	—	28	—	—	12.6	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Iron	—	418	—	—	18	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Iron	—	204	—	—	18	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Iron	—	141	—	—	12.6	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Iron	<	130	—	—	12.6	µg/L	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Manganese	—	4.4	—	—	2	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Manganese	—	3	—	—	1	µg/L	EJ	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Manganese	—	2.99	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Manganese	<	1.81	—	—	0.296	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Manganese	—	1.49	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.3	—	—	2	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Manganese	—	3.8	—	—	1	µg/L	EJ	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Manganese	—	3.63	—	—	0.296	µg/L	B	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Manganese	—	3.52	—	—	0.296	µg/L	B	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Molybdenum	—	296	—	—	2	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6020	Molybdenum	—	721	—	—	0.1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Molybdenum	—	1020	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Molybdenum	—	288	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Molybdenum	—	274	—	—	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	287	—	—	2	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	726	—	—	0.1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	1050	—	—	1.43	µg/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Molybdenum	—	267	—	—	1.43	µg/L	—	J	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Nickel	<	1.9	—	—	1	µg/L	J	U	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Nickel	<	1.15	—	—	0.69	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Nickel	—	0.933	—	—	0.69	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	UJ	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Nickel	—	0.866	—	—	0.69	µg/L	B	JN-	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Strontium	—	133	—	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Strontium	—	199	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Strontium	—	205	—	—	0.178	µg/L	—	—	GELC
LAO-2	7	7/10/2003	WG	F	CS	FB	Met	6010	Strontium	<	0.178	—	—	0.178	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Strontium	—	128	—	—	1	µg/L	—	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Strontium	—	199	—	—	1	µg/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Strontium	—	211	—	—	0.178	µg/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Met	6010	Strontium	<	0.178	—	—	0.178	µg/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.5	—	—	1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	F	CS	—	Met	6010	Vanadium	—	0.731	—	—	0.606	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	F	CS	—	Met	6010	Vanadium	<	2.97	—	—	0.606	µg/L	B	U	GELC
LAO-2	7	9/19/2003	WG	F	DUP	—	Met	6010	Vanadium	—	2.49	—	—	0.606	µg/L	B	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Met	6010	Vanadium	—	3.1	—	—	1	µg/L	J	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	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
LAO-2	7	6/4/2004	WG	UF	CS	—	Met	6010	Vanadium	—	2.26	—	—	0.606	µg/L	B	JN-	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Met	6010	Vanadium	<	2.3	—	—	0.606	µg/L	B	UJ	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.013	0.00635	0.0256	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0085	0.0116	0.034	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.002	0.0075	0.039	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Americium-241	—	0.0313	0.0149	0.0384	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0353	0.0108	0.0283	—	pCi/L	—	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	-0.00901	0.0139	0.04	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0153	0.0066	0.031	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.00603	0.00604	0.029	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Americium-241	—	0.014	0.00574	0.033	—	pCi/L	—	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.66	1.81	4.6	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.324	0.951	3.4	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	-4.5	3.5	6.2	—	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
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.0617	0.592	2.08	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.267	1.08	4.02	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.624	1.9	6.79	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-2.78	2.13	7.15	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Cesium-137	—	4.9	5.47	9.01	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	1.26	1.01	3.83	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.13	1.06	4.57	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.966	3.8	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	1	4.35	7	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.565	2.22	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.499	1.28	4.91	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.33	1.81	7.48	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.401	2.16	8.14	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	2.66	2.23	8.62	—	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
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	2.58	1.01	4.37	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.81	0.498	1.81	—	pCi/L	U	J-, U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross alpha	—	1.14	0.565	2.05	—	pCi/L	U	U	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.6	0.818	0.89	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.72	0.739	2.71	—	pCi/L	U	J-, U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	0.927	0.356	1.12	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	1.47	0.609	1.53	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross alpha	—	1.33	0.573	1.49	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.566	0.236	1.15	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross beta	—	39.8	2.65	2.46	—	pCi/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross beta	—	100	7.6	2.64	—	pCi/L	—	—	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross beta	—	51.5	3.6	2.34	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross beta	—	34.8	1.65	3.04	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross beta	—	66.9	2.1	2.03	—	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
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross beta	—	55.9	1.33	1.38	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross beta	—	60	1.44	1.38	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross beta	—	0.34	0.494	1.85	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	71.1	65.4	303	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	120	110	378	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	65.4	64.7	230	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.6	124	352	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	205	152	397	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	269	204	944	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	163	213	338	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-1.69	10.9	32.4	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.31	9.12	23.6	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-1	14	23	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Neptunium-237	—	0	6.38	17.4	—	pCi/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
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.18	8.3	28.5	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-18.8	12.7	41.1	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.2	10.5	33.7	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	1.23	12.6	41.9	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	5.73	7.69	15.2	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00174	0.0167	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00766	0.00977	0.04	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.014	0.006	0.055	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Plutonium-238	—	1.08E-09	0.00643	0.0335	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00169	0.00169	0.0162	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0	0.00393	0.03	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.00203	0.012	0.028	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	-0.00324	0.00458	0.022	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Plutonium-238	—	-0.0105	0.0121	0.037	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00871	0.00463	0.0195	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0287	0.00841	0.034	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.01	0.02	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.00454	0.00455	0.0123	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00845	0.0038	0.0189	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00589	0.0052	0.031	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0162	0.00761	0.025	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.0113	0.00538	0.02	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Plutonium-239/240	—	-0.0105	0.00698	0.041	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	78.5	17	78.3	—	pCi/L	UI	R	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	13.3	20.7	33.3	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	10	60	98	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Potassium-40	—	23.9	13.9	18.7	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	23.7	35.5	48.7	—	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
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	154	60	64.2	—	pCi/L	UI	R	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	93.6	41.9	74	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Potassium-40	—	94.8	38.4	71.5	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	25	17.8	32	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	3.21	1.5	6.38	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.283	0.899	3.26	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.2	4.6	7.6	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.644	0.591	2.16	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.146	1.11	4.17	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.548	1.69	6.31	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.598	2.24	8.68	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Sodium-22	—	-0.895	2.03	7.17	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.31	0.995	4.04	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	8.02	0.266	0.217	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	20.7	0.697	0.169	—	pCi/L	—	—	GELC
LAO-2	7	6/9/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	29.3	3.5	0.45	—	pCi/L	—	NQ	GEL
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	14.3	1.7	2.3	—	pCi/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	9.5	0.313	0.283	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	28.7	3.8	0.236	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	21.1	2.42	0.26	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	20.6	2.35	0.253	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	GFPC	Strontium-90	—	-0.0615	0.0465	0.161	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.155	0.0232	0.0483	—	pCi/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.249	0.0299	0.092	—	pCi/L	—	J	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.234	0.045	0.061	—	pCi/L	—	NQ	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-234	—	0.0873	0.0236	0.045	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.177	0.0239	0.0467	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.384	0.0449	0.104	—	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
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.153	0.0218	0.049	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-234	—	0.099	0.0188	0.052	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-234	—	0.00901	0.00845	0.075	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0114	0.00993	0.0407	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0392	0.0139	0.056	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.035	0.017	0.035	—	pCi/L	LT	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0243	0.013	0.0358	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0166	0.00881	0.0394	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0307	0.0115	0.063	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0191	0.00835	0.028	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.0135	0.0085	0.03	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-235/236	—	4.31E-09	0.00845	0.031	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0741	0.0159	0.0513	—	pCi/L	—	J	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.15	0.0221	0.065	—	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
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.077	0.027	0.061	—	pCi/L	LT	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0339	0.0147	0.0357	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0851	0.0163	0.0497	—	pCi/L	—	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.238	0.0328	0.073	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0806	0.0152	0.031	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-238	—	0.0585	0.0126	0.033	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-238	—	-0.00225	0.00873	0.037	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	UJ	GELC
LAO-2	7	7/27/2006	WG	UF	CS	FTB	Voa	8260	Toluene	—	0.292	—	—	0.25	µg/L	J	J	GELC
LAO-2	7	5/2/2005	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	FTB	Voa	8260	Toluene	—	0.37	—	—	—	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Voa	8260	Toluene	<	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
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	76	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	38.6	—	—	1.45	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.4	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	82.8	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	76	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.68	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.067	—	—	0.01	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.119	—	—	0.01	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	—	0.052	—	—	0.01	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17.3	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Calcium	—	16.5	—	—	0.036	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	21.9	—	—	0.0055	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	20.6	—	—	0.0055	mg/L	—	NQ	GEL

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
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	19.2	—	—	0.038	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.3	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Calcium	—	0.114	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	16.3	—	—	0.036	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	22.4	—	—	0.0055	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	19.4	—	—	0.038	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	<	9.14	—	—	0.89	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	410.4	Chemical Oxygen Demand	—	73.3	—	—	4.45	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.36	—	—	0.066	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Chloride	—	14.7	—	—	0.053	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Chloride	—	7.63	—	—	0.032	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Chloride	—	7.63	—	—	0.032	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Chloride	—	6.72	—	—	0.025	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	7.42	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Chloride	—	3.44	—	—	—	mg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.143	—	—	0.033	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.116	—	—	0.055	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.123	—	—	0.055	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.188	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.135	—	—	0.033	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.033	—	—	0.033	mg/L	U	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Fluoride	<	0.01	—	—	—	mg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.5	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	62	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	63.8	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	—	0.33	—	—	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
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	61.1	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.96	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.02	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.41	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.33	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.96	—	—	0.0045	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.98	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.94	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.57	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6	—	—	0.0045	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.102	—	—	0.014	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.451	—	—	0.003	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.13	—	—	0.01	mg/L	—	NQ	GEL

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
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.14	—	—	0.01	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.17	—	—	0.0069	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.0907	—	—	0.014	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.0211	—	—	0.014	mg/L	J	U	GELC
LAO-B	11.8	6/21/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	<	0.05	—	—	—	mg/L	U	U	KA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.65	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.2	—	—	6.2	SU	—	NQ	HUFFMAN
LAO-B	11.8	6/21/2000	WG	F	CS	NA	Inorg	79—4	pH	—	6.4	—	—	—	SU	—	NQ	HUFFMAN
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.1	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.87	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.82	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Potassium	—	3.17	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	3.33	—	—	0.017	mg/L	—	NQ	GEL

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
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	3.27	—	—	0.017	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	2.9	—	—	0.0071	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.82	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	3.15	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	3.43	—	—	0.017	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	2.95	—	—	0.0071	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	31.1	—	—	0.032	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	13.6	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	13.4	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	12.2	—	—	0.013	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	35.4	—	—	0.032	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	—	0.07	—	—	0.032	mg/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
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	13.7	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	12.3	—	—	0.013	mg/L	—	NQ	GEL
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	36.3	—	—	—	mg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	11.6	—	—	0.045	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Sodium	—	9.29	—	—	0.045	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	9.07	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	8.98	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	8.78	—	—	0.0081	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	11.8	—	—	0.045	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Sodium	—	0.396	—	—	0.045	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	9.26	—	—	0.045	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	9.23	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	8.9	—	—	0.0081	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	182	—	—	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
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	169	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	182	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.32	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	5.55	—	—	0.1	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Sulfate	—	14.2	—	—	0.057	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	7.58	—	—	0.19	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	7.54	—	—	0.19	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	8.34	—	—	0.062	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	5.58	—	—	0.1	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.1	—	—	0.1	mg/L	U	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Sulfate	<	1	—	—	—	mg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	139	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	115	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	6/21/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	130	—	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	140	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	3	—	—	2.38	mg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.28	—	—	0.33	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.33	—	—	0.33	mg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	1.99	—	—	0.025	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	2.21	—	—	0.041	mg/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.44	—	—	0.041	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	38.6	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Barium	—	33.8	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Barium	—	41.9	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Barium	—	41.4	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6020	Barium	—	36.3	—	—	0.16	µg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	38.7	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Barium	<	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
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Barium	—	34.1	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Barium	—	42.9	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6020	Barium	—	37.6	—	—	0.16	µg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	14.6	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Boron	—	17.4	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Met	6010	Boron	—	6.51999998	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Met	6010	Boron	—	14.3999996	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	6010	Boron	<	17	—	—	—	µg/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	13.6	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Boron	—	13	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Met	6010	Boron	—	6.4000001	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Boron	<	11.1	—	—	—	µg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Chromium	<	1.7	—	—	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
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	<	1.3	—	—	1	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Chromium	—	1.3	—	—	1	µg/L	J	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Iron	<	26	—	—	18	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Iron	—	113	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Iron	<	50	—	—	13	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Iron	<	50	—	—	13	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Iron	<	50	—	—	21	µg/L	U	U	GEL

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
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Iron	<	22.9	—	—	18	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Iron	—	115	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Iron	—	148	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Iron	—	19.2	—	—	13	µg/L	B	J	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Iron	—	28.3	—	—	21	µg/L	B	J	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Nickel	<	0.75	—	—	0.5	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	<	0.69	—	—	0.5	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Nickel	—	0.65	—	—	0.5	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL

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
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	111	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Strontium	—	103	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/9/1995	WG	F	CS	NA	Met	6010	Strontium	—	65.3	—	—	—	µg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	111	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Strontium	—	102	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Strontium	—	70.3	—	—	—	µg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.076	—	—	0.05	µg/L	J	—	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	6/21/2000	WG	F	RE	NA	Met	6020	Uranium	<	0.01	—	—	—	µg/L	U	U	GELC
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	KPA	Uranium	—	0.07	—	—	—	µg/L	J	J	PARA
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	6020	Uranium	—	0.025	—	—	—	µg/L	B	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
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.078	—	—	0.05	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	6/21/2000	WG	UF	RE	NA	Met	6020	Uranium	<	0.01	—	—	—	µg/L	U	U	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Uranium	<	2.2	—	—	—	µg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Zinc	<	5.5	—	—	2	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Zinc	<	1.99	—	—	0.88	µg/L	B	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Zinc	<	2.67	—	—	0.88	µg/L	B	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Zinc	<	5	—	—	2.8	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	<	5.2	—	—	2	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.9	—	—	2	µg/L	J	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Zinc	<	2.01	—	—	0.88	µg/L	B	U	GEL

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
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Zinc	—	2.85	—	—	2.8	µg/L	B	J	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0106	0.00805	0.0254	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.00194	0.00204	0.034	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.00522	0.0037	0.0071	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0102	0.007	0.027	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	-0.00235	0.0053	0.025	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0312	0.0099	0.01899 9999	—	pCi/L	—	NQ	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.026	0.011	0.0269	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.0178	0.0125	0.0258	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0135	0.0066	0.019	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0165	0.0068	0.0074	—	pCi/L	—	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.013	0.0105	0.035	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.688	1.04	3.98	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.238	0.662	2.36	—	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
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	-0.278	0.44	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.23	0.43	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.37799999	0.67000017	2.400000095	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.40799999	0.67000017	2.400000095	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.176	1.29	4.75	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	2.01	1.08	4.24	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.00686	0.47	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.0731	0.60000024	2.099999905	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.0631	1.27	4.72	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.957	0.729	2.56	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	-0.154	0.46	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.393	0.51	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	-0.39300007	0.68000007	2.400000095	—	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
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.16999996	0.709999979	2.799999952	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.978	1.32	5.32	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.41	1.15	4.66	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.324	0.48	1.7	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.104000002	0.680000007	2.5	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	6	10	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.781	0.37	1.14	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.246	0.298	1.23	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.209	0.338	1.26	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.27	0.332	1.26	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	4.71	0.774	2.26	—	pCi/L	—	J	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	900	Gross beta	—	4.27	0.701	2.33	—	pCi/L	—	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.78	0.786	2.38	—	pCi/L	—	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	0.292	0.654	2.23	—	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
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.6	203	207	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	2340	2600	1400	—	pCi/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	96	94	353	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	79.7	69.2	239	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-2.07	9.81	29.9	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.49	5.79	18.1	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-12	14.5	24	—	pCi/L	U	U	PARA
LAO-B	11.8	3/29/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	5	6	9.9	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-8.07	10.1	32	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	7.95	12.2	26.8	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	30	13.5	20	—	pCi/L	U	U	PARA
LAO-B	11.8	3/29/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	12	10.5	17	—	pCi/L	U	U	PARA
LAO-B	11.8	6/21/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	4	10	17	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00318	0.00842	0.0306	—	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
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0515	0.0148	0.043	—	pCi/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.00624	0.0046	0.031	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.000745	0.0033	0.02	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.0249	0.012	0.059	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00457	0.01	0.042	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00876	0.00507	0.0281	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0	0.0075	0.0294	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00934	0.0054	0.0084	—	pCi/L	—	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.000000000988	0.0083	0.039	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00205	0.0064	0.034000002	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	1.52E-09	0.0101	0.0356	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.00504	0.036	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.00219	0.0087	0.04	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00202	0.008	0.04	—	pCi/L	U	U	GEL

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
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.01	0.01	0.06	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00457	0.0046	0.03	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00584	0.00826	0.0327	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00612	0.00749	0.0342	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.00349	0.0077	0.03	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00828	0.01	0.06	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.00394	0.01	0.06	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	33.6	23.4	42.8	—	pCi/L	U	J, U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	0.535	15.6	24.2	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Potassium-40	—	0	5.7	22	—	pCi/L	U	R	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	3.94	11	14	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Potassium-40	—	15.1999998	7.800000191	30	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	18	8.699999809	33	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	62.5	17.8	77.6	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	26.3	12.6	52.4	—	pCi/L	U	J, U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	13.9	15	15	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	20	11	21	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-20	70	120	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.539	1.22	4.43	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.469	0.83	2.48	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Sodium-22	—	0.174	0.42	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-0.232	0.46	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.133000001	0.730000019	2.599999905	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-0.799000025	0.699999988	2.400000095	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.611	1.39	5.45	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.69	1.14	4.69	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-0.00616	0.5	1.7	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.47099999	0.569999993	2.299999952	—	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
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	4	5.5	8.5	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0842	0.135	0.457	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0381	0.058	0.234	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.176	0.18	0.79	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.189	0.17	0.72	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.181	0.16	0.7	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.122	0.13	0.57	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.104	0.112	0.391	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.194	0.107	0.352	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.261	0.17	0.69	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.0195	0.15	0.68	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.183	0.098	0.31	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0345	0.0235	0.126	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0501	0.0134	0.08	—	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
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0379	0.012	0.029	—	pCi/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0519	0.014	0.03	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0667	0.017999999	0.035	—	pCi/L	—	NQ	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0702	0.017999999	0.037999999	—	pCi/L	—	NQ	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0464	0.014	0.0567	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.012	0.00934	0.0602	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0762	0.017	0.035	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0727	0.017999999	0.028000001	—	pCi/L	—	NQ	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.032	0.0165	0.046	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.00417	0.0116	0.107	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00265	0.00592	0.049	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.00823	0.0048	0.0074	—	pCi/L	—	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00984	0.0068	0.026	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	-0.00122	0.01	0.054000001	—	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
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00554	0.0071	0.033	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.00731	0.0065	0.048	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	-0.00488	0.00626	0.051	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.0074	0.01	0.043	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0189	0.0086	0.01	—	pCi/L	—	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.012	0.0085	0.011	—	pCi/L	LT	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0682	0.0249	0.134	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0132	0.00794	0.057	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0465	0.012	0.0074	—	pCi/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0511	0.013	0.026	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0563	0.0170000 01	0.04100 0001	—	pCi/L	—	NQ	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0323	0.014	0.04300 0001	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0322	0.0104	0.0603	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.00591	0.00826	0.064	—	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
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0393	0.011	0.023	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0172	0.01	0.035	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.019	0.0125	0.036	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Acetone	—	11.4	—	—	1.25	µg/L	—	J+	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Acetone	<	5	—	—	2.3	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Acetone	—	6.30000019	—	—	2.2	µg/L	J	J	GEL
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Butanone[2-]	—	4.9	—	—	1.25	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	5	—	—	2.3	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	200000	—	—	1.8	µg/L	U	U	GEL

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
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	20	—	—	—	µg/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.467	—	—	0.25	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Chloroform	<	1	—	—	0.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Chloroform	<	1	—	—	0.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Chloroform	<	1	—	—	0.36	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	180	—	—	0.19	µg/L	U	U	GEL
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	5	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	41.9	—	—	0.725	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	39.7	—	—	0.725	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	68	—	—	1.45	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.7	—	—	1.45	mg/L	—	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.074	—	—	0.01	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.063	—	—	0.01	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Calcium	—	5.64	—	—	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
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	6010	Calcium	—	6.9	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	6010	Calcium	—	7	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Calcium	—	5.55	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	6.07	—	—	0.036	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	6.39	—	—	0.036	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	6.1	—	—	0.00554	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	6010	Calcium	—	6.74	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	3.13	—	—	0.89	mg/L	J	JN-	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	300	Chloride	—	1.28	—	—	0.066	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Chloride	—	1.22	—	—	—	mg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	300	Chloride	—	1.4	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Inorg	300	Chloride	<	0.5	—	—	—	mg/L	U	U	CST
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	300	Chloride	—	1.27	—	—	0.066	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	300	Chloride	—	1.22	—	—	0.053	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	300	Chloride	—	1.37	—	—	0.0322	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	DUP	—	Inorg	300	Chloride	—	1.39	—	—	0.0322	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/18/1995	WG	UF	CS	NA	Inorg	300	Chloride	<	0.5	—	—	—	mg/L	U	U	CST
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.171	—	—	0.033	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.163	—	—	—	mg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.16	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	300	Fluoride	—	0.159	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.168	—	—	0.033	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.145	—	—	0.03	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.24	—	—	0.0553	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.236	—	—	0.0553	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.186	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	20.9	—	—	0.085	mg/L	—	—	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	1	4.35	7	—	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
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.565	2.22	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.499	1.28	4.91	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.33	1.81	7.48	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.401	2.16	8.14	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	2.66	2.23	8.62	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	2.58	1.01	4.37	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.81	0.498	1.81	—	pCi/L	U	J-, U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross alpha	—	1.14	0.565	2.05	—	pCi/L	U	U	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross alpha	—	2.6	0.818	0.89	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.72	0.739	2.71	—	pCi/L	U	J-, U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	0.927	0.356	1.12	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	1.47	0.609	1.53	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross alpha	—	1.33	0.573	1.49	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.566	0.236	1.15	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	900	Gross beta	—	39.8	2.65	2.46	—	pCi/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	900	Gross beta	—	100	7.6	2.64	—	pCi/L	—	—	GELC
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	900	Gross beta	—	51.5	3.6	2.34	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	900	Gross beta	—	34.8	1.65	3.04	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	900	Gross beta	—	66.9	2.1	2.03	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	900	Gross beta	—	55.9	1.33	1.38	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	900	Gross beta	—	60	1.44	1.38	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	900	Gross beta	—	0.34	0.494	1.85	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	71.1	65.4	303	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	120	110	378	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	65.4	64.7	230	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.6	124	352	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	205	152	397	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	269	204	944	—	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
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	163	213	338	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-1.69	10.9	32.4	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.31	9.12	23.6	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-1	14	23	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Neptunium-237	—	0	6.38	17.4	—	pCi/L	U	R	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.18	8.3	28.5	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-18.8	12.7	41.1	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	12.2	10.5	33.7	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	1.23	12.6	41.9	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	5.73	7.69	15.2	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00174	0.0167	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00766	0.00977	0.04	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.014	0.006	0.055	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Plutonium-238	—	1.08E-09	0.00643	0.0335	—	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
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00169	0.00169	0.0162	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0	0.00393	0.03	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.00203	0.012	0.028	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	-0.00324	0.00458	0.022	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Plutonium-238	—	-0.0105	0.0121	0.037	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00871	0.00463	0.0195	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0287	0.00841	0.034	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.01	0.02	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Plutonium-239/240	—	0.00454	0.00455	0.0123	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00845	0.0038	0.0189	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00589	0.0052	0.031	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0162	0.00761	0.025	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.0113	0.00538	0.02	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Plutonium-239/240	—	-0.0105	0.00698	0.041	—	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
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	78.5	17	78.3	—	pCi/L	UI	R	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	13.3	20.7	33.3	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	10	60	98	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Potassium-40	—	23.9	13.9	18.7	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	23.7	35.5	48.7	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	154	60	64.2	—	pCi/L	UI	R	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	93.6	41.9	74	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Potassium-40	—	94.8	38.4	71.5	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	25	17.8	32	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	3.21	1.5	6.38	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.283	0.899	3.26	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-0.2	4.6	7.6	—	pCi/L	U	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.644	0.591	2.16	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.146	1.11	4.17	—	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
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.548	1.69	6.31	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.598	2.24	8.68	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	901.1	Sodium-22	—	-0.895	2.03	7.17	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.31	0.995	4.04	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	8.02	0.266	0.217	—	pCi/L	—	—	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	20.7	0.697	0.169	—	pCi/L	—	—	GELC
LAO-2	7	6/9/2003	WG	F	CS	NA	Rad	905.0	Strontium-90	—	29.3	3.5	0.45	—	pCi/L	—	NQ	GEL
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	14.3	1.7	2.3	—	pCi/L	—	NQ	PARA
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	9.5	0.313	0.283	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	28.7	3.8	0.236	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	21.1	2.42	0.26	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	20.6	2.35	0.253	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	GFPC	Strontium-90	—	-0.0615	0.0465	0.161	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.155	0.0232	0.0483	—	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
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.249	0.0299	0.092	—	pCi/L	—	J	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.234	0.045	0.061	—	pCi/L	—	NQ	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-234	—	0.0873	0.0236	0.045	—	pCi/L	—	J	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.177	0.0239	0.0467	—	pCi/L	—	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.384	0.0449	0.104	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.153	0.0218	0.049	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-234	—	0.099	0.0188	0.052	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-234	—	0.00901	0.00845	0.075	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0114	0.00993	0.0407	—	pCi/L	U	U	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0392	0.0139	0.056	—	pCi/L	U	U	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.035	0.017	0.035	—	pCi/L	LT	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-235/236	—	0.0243	0.013	0.0358	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0166	0.00881	0.0394	—	pCi/L	U	U	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0307	0.0115	0.063	—	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
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0191	0.00835	0.028	—	pCi/L	U	U	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.0135	0.0085	0.03	—	pCi/L	U	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-235/236	—	4.31E-09	0.00845	0.031	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0741	0.0159	0.0513	—	pCi/L	—	J	GELC
LAO-2	7	5/2/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.15	0.0221	0.065	—	pCi/L	—	J	GELC
LAO-2	7	6/26/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.077	0.027	0.061	—	pCi/L	LT	U	PARA
LAO-2	7	3/29/2001	WG	F	CS	—	Rad	AS	Uranium-238	—	0.0339	0.0147	0.0357	—	pCi/L	U	U	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0851	0.0163	0.0497	—	pCi/L	—	J	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.238	0.0328	0.073	—	pCi/L	—	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0806	0.0152	0.031	—	pCi/L	—	J	GELC
LAO-2	7	9/19/2003	WG	UF	DUP	—	Rad	AS	Uranium-238	—	0.0585	0.0126	0.033	—	pCi/L	—	—	GELC
LAO-2	7	7/10/2003	WG	UF	CS	FB	Rad	AS	Uranium-238	—	-0.00225	0.00873	0.037	—	pCi/L	U	—	GELC
LAO-2	7	7/27/2006	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	UJ	GELC
LAO-2	7	7/27/2006	WG	UF	CS	FTB	Voa	8260	Toluene	—	0.292	—	—	0.25	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
LAO-2	7	5/2/2005	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	5/2/2005	WG	UF	CS	FTB	Voa	8260	Toluene	—	0.37	—	—	—	µg/L	J	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	6/4/2004	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-2	7	9/19/2003	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	76	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	38.6	—	—	1.45	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	86.4	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	82.8	—	—	1.5	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	76	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.68	—	—	0.725	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.067	—	—	0.01	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.119	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	—	0.052	—	—	0.01	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17.3	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Calcium	—	16.5	—	—	0.036	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	21.9	—	—	0.0055	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	20.6	—	—	0.0055	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	19.2	—	—	0.038	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.3	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Calcium	—	0.114	—	—	0.036	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	16.3	—	—	0.036	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	22.4	—	—	0.0055	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	19.4	—	—	0.038	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	<	9.14	—	—	0.89	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	410.4	Chemical Oxygen Demand	—	73.3	—	—	4.45	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.36	—	—	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
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Chloride	—	14.7	—	—	0.053	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Chloride	—	7.63	—	—	0.032	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Chloride	—	7.63	—	—	0.032	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Chloride	—	6.72	—	—	0.025	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Chloride	—	7.42	—	—	0.066	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Chloride	—	3.44	—	—	—	mg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.143	—	—	0.033	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.116	—	—	0.055	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.123	—	—	0.055	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.188	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.135	—	—	0.033	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.033	—	—	0.033	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
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Fluoride	<	0.01	—	—	—	mg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	63.5	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	62	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	63.8	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	—	0.33	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	61.1	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.96	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.02	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.41	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.33	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.96	—	—	0.0045	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.98	—	—	0.085	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.94	—	—	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
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.57	—	—	0.0052	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6	—	—	0.0045	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.102	—	—	0.014	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.451	—	—	0.003	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.13	—	—	0.01	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.14	—	—	0.01	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.17	—	—	0.0069	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.0907	—	—	0.014	mg/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.0211	—	—	0.014	mg/L	J	U	GELC
LAO-B	11.8	6/21/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	<	0.05	—	—	—	mg/L	U	U	KA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.08	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.65	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.2	—	—	6.2	SU	—	NQ	HUFFMAN
LAO-B	11.8	6/21/2000	WG	F	CS	NA	Inorg	79—4	pH	—	6.4	—	—	—	SU	—	NQ	HUFFMAN

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
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.1	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.87	—	—	0.01	SU	H	J	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.82	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Potassium	—	3.17	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	3.33	—	—	0.017	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	3.27	—	—	0.017	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	2.9	—	—	0.0071	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.82	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	3.15	—	—	0.05	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	3.43	—	—	0.017	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	2.95	—	—	0.0071	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	31.1	—	—	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
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	13.6	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	13.4	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	12.2	—	—	0.013	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	35.4	—	—	0.032	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	—	0.07	—	—	0.032	mg/L	J	J-	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	13.7	—	—	0.0098	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	12.3	—	—	0.013	mg/L	—	NQ	GEL
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	36.3	—	—	—	mg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	6010	Sodium	—	11.6	—	—	0.045	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	6010	Sodium	—	9.29	—	—	0.045	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	9.07	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	8.98	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	8.78	—	—	0.0081	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	11.8	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	6010	Sodium	—	0.396	—	—	0.045	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	9.26	—	—	0.045	mg/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	9.23	—	—	0.014	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	8.9	—	—	0.0081	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	182	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	169	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	182	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.32	—	—	1	uS/cm	—	—	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	300	Sulfate	—	5.55	—	—	0.1	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	300	Sulfate	—	14.2	—	—	0.057	mg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	7.58	—	—	0.19	mg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	7.54	—	—	0.19	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	8.34	—	—	0.062	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	5.58	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.1	—	—	0.1	mg/L	U	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Inorg	300	Sulfate	<	1	—	—	—	mg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	139	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	115	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	6/21/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	130	—	—	—	mg/L	—	NQ	RECRAP
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	140	—	—	2.38	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	3	—	—	2.38	mg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.28	—	—	0.33	mg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.33	—	—	0.33	mg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	1.99	—	—	0.025	mg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	2.21	—	—	0.041	mg/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	3.44	—	—	0.041	mg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Barium	—	38.6	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Barium	—	33.8	—	—	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
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Barium	—	41.9	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Barium	—	41.4	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6020	Barium	—	36.3	—	—	0.16	µg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Barium	—	38.7	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Barium	—	34.1	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Barium	—	42.9	—	—	0.22	µg/L	—	NQ	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6020	Barium	—	37.6	—	—	0.16	µg/L	—	NQ	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Boron	—	14.6	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Boron	—	17.4	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Met	6010	Boron	—	6.51999998	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Met	6010	Boron	—	14.3999996	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	6010	Boron	<	17	—	—	—	µg/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Boron	—	13.6	—	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Boron	—	13	—	—	10	µg/L	J	—	GELC
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Met	6010	Boron	—	6.4000001	—	—	3	µg/L	B	J	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Boron	<	11.1	—	—	—	µg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Chromium	<	1.7	—	—	1	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Chromium	<	1.3	—	—	1	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Chromium	—	1.3	—	—	1	µg/L	J	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL

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
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Iron	<	26	—	—	18	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Iron	—	113	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Iron	<	50	—	—	13	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Iron	<	50	—	—	13	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Iron	<	50	—	—	21	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Iron	<	22.9	—	—	18	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Iron	—	115	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Iron	—	148	—	—	18	µg/L	—	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Iron	—	19.2	—	—	13	µg/L	B	J	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Iron	—	28.3	—	—	21	µg/L	B	J	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Nickel	<	0.75	—	—	0.5	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL

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
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Nickel	<	0.69	—	—	0.5	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Nickel	—	0.65	—	—	0.5	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Strontium	—	111	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Strontium	—	103	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/9/1995	WG	F	CS	NA	Met	6010	Strontium	—	65.3	—	—	—	µg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Strontium	—	111	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Strontium	—	102	—	—	1	µg/L	—	—	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Strontium	—	70.3	—	—	—	µg/L	—	NQ	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6020	Uranium	—	0.076	—	—	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
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	6/21/2000	WG	F	RE	NA	Met	6020	Uranium	<	0.01	—	—	—	µg/L	U	U	GELC
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	KPA	Uranium	—	0.07	—	—	—	µg/L	J	J	PARA
LAO-B	11.8	3/24/2000	WG	F	CS	NA	Met	6020	Uranium	—	0.025	—	—	—	µg/L	B	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.078	—	—	0.05	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.1	—	—	0.018	µg/L	BE	J	GELC
LAO-B	11.8	6/21/2000	WG	UF	RE	NA	Met	6020	Uranium	<	0.01	—	—	—	µg/L	U	U	GELC
LAO-B	11.8	5/9/1995	WG	UF	CS	NA	Met	6010	Uranium	<	2.2	—	—	—	µg/L	U	U	CST
LAO-B	11.8	8/3/2006	WG	F	CS	—	Met	6010	Zinc	<	5.5	—	—	2	µg/L	J	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Met	6010	Zinc	<	1.99	—	—	0.88	µg/L	B	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Met	6010	Zinc	<	2.67	—	—	0.88	µg/L	B	U	GEL

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
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Met	6010	Zinc	<	5	—	—	2.8	µg/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Met	6010	Zinc	<	5.2	—	—	2	µg/L	J	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Met	6010	Zinc	—	2.5	—	—	2	µg/L	J	—	GELC
LAO-B	11.8	5/10/2005	WG	UF	CS	—	Met	6010	Zinc	—	2.9	—	—	2	µg/L	J	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Met	6010	Zinc	<	2.01	—	—	0.88	µg/L	B	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Met	6010	Zinc	—	2.85	—	—	2.8	µg/L	B	J	GEL
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0106	0.00805	0.0254	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.00194	0.00204	0.034	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.00522	0.0037	0.0071	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0102	0.007	0.027	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	-0.00235	0.0053	0.025	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0312	0.0099	0.01899 9999	—	pCi/L	—	NQ	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.026	0.011	0.0269	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.0178	0.0125	0.0258	—	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
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0135	0.0066	0.019	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0165	0.0068	0.0074	—	pCi/L	—	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.013	0.0105	0.035	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.688	1.04	3.98	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.238	0.662	2.36	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	-0.278	0.44	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.23	0.43	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.37799999	0.6700000 17	2.40000 0095	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.40799999	0.6700000 17	2.40000 0095	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.176	1.29	4.75	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	2.01	1.08	4.24	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.00686	0.47	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.0731	0.6000000 24	2.09999 9905	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	1.9	4.05	6.4	—	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
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.0631	1.27	4.72	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.957	0.729	2.56	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	-0.154	0.46	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.393	0.51	1.6	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	-0.393000007	0.680000007	2.400000095	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.16999996	0.709999979	2.799999952	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.978	1.32	5.32	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.41	1.15	4.66	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.324	0.48	1.7	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.104000002	0.680000007	2.5	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	6	10	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.781	0.37	1.14	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.246	0.298	1.23	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.209	0.338	1.26	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.27	0.332	1.26	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	900	Gross beta	—	4.71	0.774	2.26	—	pCi/L	—	J	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	900	Gross beta	—	4.27	0.701	2.33	—	pCi/L	—	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.78	0.786	2.38	—	pCi/L	—	J	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	0.292	0.654	2.23	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.6	203	207	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	2340	2600	1400	—	pCi/L	—	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	96	94	353	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	79.7	69.2	239	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-2.07	9.81	29.9	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.49	5.79	18.1	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-12	14.5	24	—	pCi/L	U	U	PARA
LAO-B	11.8	3/29/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	5	6	9.9	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-8.07	10.1	32	—	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
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	7.95	12.2	26.8	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	30	13.5	20	—	pCi/L	U	U	PARA
LAO-B	11.8	3/29/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	12	10.5	17	—	pCi/L	U	U	PARA
LAO-B	11.8	6/21/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	4	10	17	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00318	0.00842	0.0306	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0515	0.0148	0.043	—	pCi/L	—	J	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.00624	0.0046	0.031	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.000745	0.0033	0.02	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.0249	0.012	0.059	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00457	0.01	0.042	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00876	0.00507	0.0281	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0	0.0075	0.0294	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00934	0.0054	0.0084	—	pCi/L	—	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.000000000988	0.0083	0.039	—	pCi/L	U	U	GEL

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
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00205	0.0064	0.03400 0002	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	1.52E-09	0.0101	0.0356	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.00504	0.036	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.00219	0.0087	0.04	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00202	0.008	0.04	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.01	0.01	0.06	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00457	0.0046	0.03	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00584	0.00826	0.0327	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00612	0.00749	0.0342	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.00349	0.0077	0.03	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00828	0.01	0.06	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.00394	0.01	0.06	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	33.6	23.4	42.8	—	pCi/L	U	J, U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	0.535	15.6	24.2	—	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
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Potassium-40	—	0	5.7	22	—	pCi/L	U	R	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	3.94	11	14	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Potassium-40	—	15.1999998	7.800000191	30	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	18	8.699999809	33	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	62.5	17.8	77.6	—	pCi/L	U	J, U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	26.3	12.6	52.4	—	pCi/L	U	J, U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	13.9	15	15	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	20	11	21	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-20	70	120	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.539	1.22	4.43	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.469	0.83	2.48	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	901.1	Sodium-22	—	0.174	0.42	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-0.232	0.46	1.5	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.133000001	0.730000019	2.599999905	—	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
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-0.799000025	0.699999988	2.400000095	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.611	1.39	5.45	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.69	1.14	4.69	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-0.00616	0.5	1.7	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.47099999	0.569999993	2.299999952	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	4	5.5	8.5	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0842	0.135	0.457	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0381	0.058	0.234	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.176	0.18	0.79	—	pCi/L	U	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.189	0.17	0.72	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.181	0.16	0.7	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.122	0.13	0.57	—	pCi/L	U	U	GEL
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.104	0.112	0.391	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.194	0.107	0.352	—	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
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.261	0.17	0.69	—	pCi/L	U	U	GEL
LAO-B	11.8	3/26/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.0195	0.15	0.68	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.183	0.098	0.31	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0345	0.0235	0.126	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0501	0.0134	0.08	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0379	0.012	0.029	—	pCi/L	—	NQ	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0519	0.014	0.03	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0667	0.017999999	0.035	—	pCi/L	—	NQ	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0702	0.017999999	0.037999999	—	pCi/L	—	NQ	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0464	0.014	0.0567	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.012	0.00934	0.0602	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0762	0.017	0.035	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0727	0.017999999	0.028000001	—	pCi/L	—	NQ	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.032	0.0165	0.046	—	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
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.00417	0.0116	0.107	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00265	0.00592	0.049	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.00823	0.0048	0.0074	—	pCi/L	—	U	GEL
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00984	0.0068	0.026	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	-0.00122	0.01	0.054000001	—	pCi/L	U	U	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00554	0.0071	0.033	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.00731	0.0065	0.048	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	-0.00488	0.00626	0.051	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	-0.0074	0.01	0.043	—	pCi/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0189	0.0086	0.01	—	pCi/L	—	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.012	0.0085	0.011	—	pCi/L	LT	U	PARA
LAO-B	11.8	8/3/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0682	0.0249	0.134	—	pCi/L	U	U	GELC
LAO-B	11.8	5/10/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0132	0.00794	0.057	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0465	0.012	0.0074	—	pCi/L	—	NQ	GEL

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
LAO-B	11.8	5/30/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0511	0.013	0.026	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0563	0.017000001	0.041000001	—	pCi/L	—	NQ	GELC
LAO-B	11.8	11/7/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0323	0.014	0.043000001	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0322	0.0104	0.0603	—	pCi/L	U	U	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.00591	0.00826	0.064	—	pCi/L	U	U	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0393	0.011	0.023	—	pCi/L	—	NQ	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0172	0.01	0.035	—	pCi/L	U	U	GELC
LAO-B	11.8	6/18/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.019	0.0125	0.036	—	pCi/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Acetone	—	11.4	—	—	1.25	µg/L	—	J+	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Acetone	<	5	—	—	2.3	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Acetone	—	6.30000019	—	—	2.2	µg/L	J	J	GEL
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/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
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Butanone[2-]	—	4.9	—	—	1.25	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	5	—	—	2.3	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	200000	—	—	1.8	µg/L	U	U	GEL
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	20	—	—	—	µg/L	U	U	PARA
LAO-B	11.8	8/3/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.467	—	—	0.25	µg/L	J	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FB	Voa	8260	Chloroform	<	1	—	—	0.25	µg/L	U	—	GELC
LAO-B	11.8	8/3/2006	WG	UF	CS	FTB	Voa	8260	Chloroform	<	1	—	—	0.25	µg/L	U	—	GELC
LAO-B	11.8	5/30/2002	WG	UF	CS	NA	Voa	8260	Chloroform	<	1	—	—	0.36	µg/L	U	U	GEL
LAO-B	11.8	11/7/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	180	—	—	0.19	µg/L	U	U	GEL
LAO-B	11.8	6/28/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	5	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	41.9	—	—	0.725	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	39.7	—	—	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
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	68	—	—	1.45	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.7	—	—	1.45	mg/L	—	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.074	—	—	0.01	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.063	—	—	0.01	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Calcium	—	5.64	—	—	0.036	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	6010	Calcium	—	6.9	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	6010	Calcium	—	7	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Calcium	—	5.55	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	6.07	—	—	0.036	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	6.39	—	—	0.036	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	6.1	—	—	0.00554	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	6010	Calcium	—	6.74	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	3.13	—	—	0.89	mg/L	J	JN-	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	300	Chloride	—	1.28	—	—	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
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Chloride	—	1.22	—	—	—	mg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	300	Chloride	—	1.4	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Inorg	300	Chloride	<	0.5	—	—	—	mg/L	U	U	CST
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	300	Chloride	—	1.27	—	—	0.066	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	300	Chloride	—	1.22	—	—	0.053	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	300	Chloride	—	1.37	—	—	0.0322	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	DUP	—	Inorg	300	Chloride	—	1.39	—	—	0.0322	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/18/1995	WG	UF	CS	NA	Inorg	300	Chloride	<	0.5	—	—	—	mg/L	U	U	CST
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.171	—	—	0.033	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.163	—	—	—	mg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.16	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	300	Fluoride	—	0.159	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.168	—	—	0.033	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.145	—	—	0.03	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.24	—	—	0.0553	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.236	—	—	0.0553	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.186	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	20.9	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	22.9	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	23.9	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	20.3	—	—	0.00554	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	1.66	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	6010	Magnesium	—	1.6	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	6010	Magnesium	—	1.6	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Magnesium	—	1.57	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	1.87	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	1.94	—	—	0.085	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	1.23	—	—	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
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	6010	Magnesium	—	2.14	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.289	—	—	0.014	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.291	—	—	0.003	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.3	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.27	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.232	—	—	0.014	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.43	—	—	0.01	mg/L	—	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.175	—	—	0.05	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Perchlorate	<	4	—	—	—	µg/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	300	Perchlorate	<	31	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Inorg	300	Perchlorate	—	1260	—	—	—	µg/L	—	NQ	CST
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.12	—	—	0.01	SU	H	J	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.02	—	—	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
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.41	—	—	0.01	SU	H	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.73	—	—	0.05	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	6010	Potassium	—	5.1	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	6010	Potassium	—	5.1	—	—	—	mg/L	E	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Potassium	—	4.04	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.83	—	—	0.05	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	8.83	—	—	0.05	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	27.7	—	—	0.0165	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	6010	Potassium	—	4.64	—	—	—	mg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	65.7	—	—	0.032	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	31.4	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	48.1	—	—	—	mg/L	—	NQ	CST
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	69.3	—	—	0.032	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	70.4	—	—	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	73.9	—	—	0.0212	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/18/1995	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	59.3	—	—	—	mg/L	—	NQ	CST
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	6010	Sodium	—	8.27	—	—	0.045	mg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	6010	Sodium	—	8.9	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	6010	Sodium	—	8.7	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	6010	Sodium	—	13.1	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	8.31	—	—	0.045	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	10.4	—	—	0.045	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	22.6	—	—	0.0144	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	6010	Sodium	—	13.4	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	94.5	—	—	1	uS/cm	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	91.6	—	—	1	uS/cm	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	113	—	—	1	uS/cm	—	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	300	Sulfate	—	3.28	—	—	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
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	300	Sulfate	—	3.65	—	—	—	mg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	300	Sulfate	—	4.2	—	—	—	mg/L	—	NQ	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Inorg	300	Sulfate	—	3.69	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	3.24	—	—	0.1	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	3.39	—	—	0.057	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	300	Sulfate	—	3.72	—	—	0.193	mg/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	DUP	—	Inorg	300	Sulfate	—	3.63	—	—	0.193	mg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Inorg	300	Sulfate	—	3.8	—	—	—	mg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	127	—	—	2.38	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	138	—	—	2.38	mg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	142	—	—	2.38	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	160	—	—	3.07	mg/L	—	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.145	—	—	0.01	mg/L	—	J+	GELC
LAOI(a)-1.1	295	5/7/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.196	—	—	0.01	mg/L	—	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
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	—	mg/L	U	U	RECRAP
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	—	mg/L	U	U	RECRAP
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.015	—	—	0.01	mg/L	J	J+, JN-	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.446	—	—	0.33	mg/L	J	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	58.8	—	—	2.28	mg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	70.3	—	—	2.06	mg/L	—	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Aluminum	—	85.6	—	—	68	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Aluminum	<	26	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Aluminum	<	56	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Aluminum	—	61.5	—	—	—	µg/L	BN	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Aluminum	—	1170	—	—	68	µg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Aluminum	—	1240	—	—	68	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Aluminum	—	1220	—	—	14.7	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Aluminum	—	4400	—	—	—	µg/L	N	J+	RGGJ

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
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Barium	—	7.1	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Barium	—	8.4	—	—	—	µg/L	B	J	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Barium	<	11	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Barium	—	10.5	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Barium	—	12.6	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Barium	—	11.2	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Barium	—	26.1	—	—	0.222	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Barium	<	21.7	—	—	—	µg/L	B	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Boron	—	10.8	—	—	10	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Boron	<	9.6	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Boron	<	17	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Boron	—	7.9	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Boron	—	10.7	—	—	10	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Boron	<	10	—	—	10	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Boron	—	15.7	—	—	4.88	µg/L	B	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Boron	<	17.6	—	—	—	µg/L	B	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6020	Chromium	—	2.1	—	—	1	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Chromium	<	0.38	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Chromium	—	0.4	—	—	—	µg/L	B	J	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Chromium	<	5.6	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6020	Chromium	—	2	—	—	1	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Chromium	—	1.1	—	—	1	µg/L	J	JN-	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Chromium	—	1.89	—	—	0.503	µg/L	B	JN-	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Chromium	<	5.6	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Cobalt	<	0.58	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Cobalt	<	0.39	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Cobalt	<	6.7	—	—	—	µg/L	U	U	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Cobalt	<	0.541	—	—	0.541	µg/L	U	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Cobalt	<	6.7	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Iron	<	80.6	—	—	18	µg/L	J	U	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Iron	<	49	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Iron	<	45	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Iron	—	174	—	—	—	µg/L	N	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Iron	—	467	—	—	18	µg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Iron	—	416	—	—	18	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Iron	—	471	—	—	12.6	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Iron	—	1730	—	—	—	µg/L	N	J+	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Lead	<	0.95	—	—	—	µg/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
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6020	Lead	—	0.043	—	—	—	µg/L	B	J	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6020	Lead	<	0.01	—	—	—	µg/L	U	U	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Lead	<	2	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Lead	—	2.6	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6020	Lead	—	1.8	—	—	0.5	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6020	Lead	—	1.2	—	—	0.5	µg/L	J	J+	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6020	Lead	—	2.55	—	—	0.05	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6020	Lead	—	7	—	—	—	µg/L	*[V]	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Manganese	—	3.4	—	—	2	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Manganese	—	3.2	—	—	—	µg/L	B	J	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Manganese	—	4.6	—	—	—	µg/L	BE	J	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Manganese	—	16.5	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.1	—	—	2	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6020	Manganese	—	2.8	—	—	1	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Manganese	—	5.47	—	—	0.296	µg/L	B	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Manganese	—	27.5	—	—	—	µg/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Molybdenum	—	4.3	—	—	2	µg/L	J	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Molybdenum	<	15.6	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Met	6010	Molybdenum	<	8.9	—	—	—	µg/L	U	U	CST
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.8	—	—	2	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.1	—	—	0.1	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	3.19	—	—	1.43	µg/L	B	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Molybdenum	<	15.6	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6020	Nickel	—	0.55	—	—	0.5	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Nickel	<	0.51	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Nickel	<	1.4	—	—	—	µg/L	B	U	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Nickel	<	8.9	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.59	—	—	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
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Nickel	<	1.2	—	—	1	µg/L	J	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Nickel	<	0.953	—	—	0.69	µg/L	B	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Nickel	<	8.9	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Strontium	—	33.7	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Strontium	—	38.9	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Met	6010	Strontium	—	56	—	—	—	µg/L	—	NQ	CST
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Strontium	—	37.4	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Strontium	—	51.6	—	—	1	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Strontium	—	126	—	—	0.178	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Strontium	—	50.4	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6020	Uranium	—	0.25	—	—	0.05	µg/L	—	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	KPA	Uranium	—	0.35	—	—	—	µg/L	—	NQ	PARA
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6020	Uranium	—	0.334	—	—	—	µg/L	—	NQ	GELC
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	D3972	Uranium	—	0.35	—	—	—	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
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6020	Uranium	—	0.334	—	—	—	µg/L	—	NQ	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Uranium	—	1.7	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.81	—	—	0.05	µg/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6020	Uranium	—	0.785	—	—	0.02	µg/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6020	Uranium	—	2.4	—	—	—	µg/L	B	J	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	UF	CS	NA	Met	6020	Uranium	<	2.2	—	—	—	µg/L	U	U	CST
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.5	—	—	1	µg/L	J	—	GELC
LAOI(a)-1.1	295	4/13/2000	WG	F	CS	NA	Met	6010	Vanadium	<	0.45	—	—	—	µg/L	U	U	PARA
LAOI(a)-1.1	295	1/20/2000	WG	F	CS	NA	Met	6010	Vanadium	—	1.1	—	—	—	µg/L	B	J	PARA
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Met	6010	Vanadium	<	6.7	—	—	—	µg/L	U	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.1	—	—	1	µg/L	J	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	UJ	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Met	6010	Vanadium	—	0.852	—	—	0.606	µg/L	B	JN-	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Met	6010	Vanadium	<	6.7	—	—	—	µg/L	U	U	RGGJ

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
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00106	0.0184	0.0319	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Americium-241	—	0.034	0.01786	0.016	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Americium-241	—	0.032	0.0155	0.006	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.107	0.0208	0.0315	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0217	0.0127	0.034	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00193	0.0135	0.034	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.03	0.01378	0.009	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.824	1.3	4.79	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Cesium-137	—	21.7	—	21.7	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Cesium-137	—	38.9	—	—	—	pCi/L	U	R	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.912	1.36	4.26	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.288	0.8	2.83	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.711	1.82	6.43	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Cesium-137	—	30.4	—	30.4	—	pCi/L	U	U	RGGJ

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
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.46	1.17	4.48	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Cobalt-60	—	40.9	—	40.8	—	pCi/L	U	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Cobalt-60	—	26	—	—	—	pCi/L	U	R	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.74	1.31	3.33	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.66	0.644	3.64	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	5	4.83	8.47	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	37.7	—	37.6	—	pCi/L	U	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.34	0.183	0.712	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.14	0.415	0.855	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.04	0.378	1.01	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	0.803	0.541	1.55	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	900	Gross beta	—	4.05	0.508	1.33	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.86	0.446	1.06	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	900	Gross beta	—	9.67	0.856	2.38	—	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
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	900	Gross beta	—	23.9	0.972	1.5	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	90	73	293	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	60.1	41.1	232	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	124	129	355	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	146	199	508	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-1.35	5.71	18.6	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Neptunium-237	—	418	—	418	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	17.6	8.04	25.1	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.76	6.45	21.5	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-9.59	11.2	35	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	418	—	418	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00391	0.0376	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.007	0.00408	0.002	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.011	0.01	0.013	—	pCi/L	—	U	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00347	0.00602	0.0334	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0206	0.0083	0.048	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0125	0.00725	0.032	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.005	0.0051	0.007	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.00391	0.00677	0.0438	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.00561	0.006	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.008	0.0085	0.01	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0174	0.00779	0.0389	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00688	0.00513	0.04	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00417	0.00296	0.033	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.003	0.00459	0.009	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	60.1	15.4	68.7	—	pCi/L	U	J, U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Potassium-40	—	1050	—	1050	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Potassium-40	—	580	—	—	—	pCi/L	U	R	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	-15.8	15.9	49.6	—	pCi/L	U	J, U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.6	9.58	39.3	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	22.5	31.8	66.1	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Potassium-40	—	1030	—	1030	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.0383	0.984	3.81	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Sodium-22	—	16.7	—	16.7	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Sodium-22	—	13.8	—	—	—	pCi/L	U	R	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.369	1.2	3.7	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.806	0.781	3.03	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-1.56	1.78	6.28	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Sodium-22	—	20.4	—	20.3	—	pCi/L	U	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.321	0.146	0.512	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.22	0.10714	0.36	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.05	0.35	—	—	pCi/L	—	NQ	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0258	0.12	0.41	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0945	0.0679	0.286	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.091	0.0396	0.121	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.31	0.11735	0.36	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0932	0.0196	0.0611	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.25	0.05102	0.05	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.09	0.045	—	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.236	0.0356	0.0772	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.191	0.0254	0.076	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.261	0.0243	0.054	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.45	0.06122	0.04	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00764	0.00542	0.0517	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.03	0.02041	0.02	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0	0.015	—	—	pCi/L	—	NQ	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0204	0.0115	0.0654	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0174	0.0103	0.046	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0445	0.0103	0.033	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.08	0.03061	0.03	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0523	0.0149	0.0649	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.24	0.04592	0.02	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.06	0.035	—	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.195	0.0315	0.0821	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.176	0.0229	0.054	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.186	0.0204	0.038	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.36	0.05102	0.02	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Voa	8260	Acetone	—	1.46	—	—	1.25	µg/L	J	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	FTB	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
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	0.25	µg/L	U	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	—	0.287	—	—	0.25	µg/L	J	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	0.25	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	97.1	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	105	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	111	—	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	98.1	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	108	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Calcium	—	22.3	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Calcium	—	27.4	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	21.6	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	21.7	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	30.5	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	14.4	—	—	0.89	mg/L	—	J+	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.86	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.15	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Chloride	—	7	—	—	0.053	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.1	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.23	—	—	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
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.179	—	—	0.033	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Fluoride	<	0.209	—	—	0.033	mg/L	—	U	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.187	—	—	0.03	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.166	—	—	0.033	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Fluoride	<	0.215	—	—	0.033	mg/L	—	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	66.3	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	73.3	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	91	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	70.7	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	71.3	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	100	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.81	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.26	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.48	—	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.06	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.14	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.88	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.61	—	—	0.014	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.42	—	—	0.014	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.47	—	—	0.017	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.4	—	—	0.014	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.35	—	—	0.017	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	3.01	—	—	0.25	µg/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.42	—	—	0.01	SU	H	J	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.16	—	—	0.01	SU	H	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.59	—	—	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
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.22	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Potassium	—	6.81	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.89	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.08	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	6.95	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	64.1	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	70.2	—	—	0.032	mg/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	63.6	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	67.7	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	70.5	—	—	0.032	mg/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	65.9	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Sodium	—	17.4	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Sodium	—	22.9	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Sodium	—	30.7	—	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	18.2	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	22.8	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	33.5	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	261	—	—	1	uS/cm	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	263	—	—	1	uS/cm	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Sulfate	—	6.39	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Sulfate	—	33.9	—	—	0.057	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	5.47	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	11.5	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	199	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	213	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	201	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	218	—	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.614	—	—	0.33	mg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.03	—	—	0.33	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.724	—	—	0.074	mg/L	J	J-	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.021	—	—	0.01	mg/L	J	J-, JN-	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.029	—	—	0.01	mg/L	J	U	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	R	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.036	—	—	0.01	mg/L	J	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	0.75	—	—	0.713	mg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	UJ	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Aluminum	—	114	—	—	68	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Aluminum	—	106	—	—	68	µg/L	J	JN-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Aluminum	—	130	—	—	68	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Barium	—	38	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Barium	—	40.9	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Barium	—	36.7	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Barium	—	40.7	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Barium	—	41.4	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Barium	—	40.5	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Boron	—	14	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Boron	—	10.7	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Boron	—	15.4	—	—	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
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Boron	—	10	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.7	—	—	1	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Iron	—	34.8	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Iron	—	51.9	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Iron	—	68.8	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Iron	—	45.7	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Manganese	—	30.5	—	—	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
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Manganese	—	114	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Manganese	—	34.6	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Manganese	—	111	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Manganese	—	465	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Nickel	—	0.58	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6020	Nickel	—	0.82	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.55	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.64	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Strontium	—	145	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Strontium	—	166	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Strontium	—	247	—	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Strontium	—	154	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Strontium	—	162	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Strontium	—	281	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Uranium	—	2.7	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6020	Uranium	—	3.4	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6020	Uranium	—	6.5	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.5	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6020	Uranium	—	3.4	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6020	Uranium	—	6.9	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00237	0.00261	0.0285	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00378	0.00292	0.0253	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.000104	0.0053	0.0289	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.000937	0.00357	0.0264	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.84	1.1	4.28	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.14	1.04	3.58	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.14	1.36	4.82	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	3.44	2.34	3.57	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.56	1.08	4.2	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.71	1.09	3.45	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.36	1.8	7.67	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.914	3.73	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.35	0.477	1.49	—	pCi/L	U	J-, U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.09	0.887	2.47	—	pCi/L	U	J-, U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	3.01	0.682	1.58	—	pCi/L	—	J, J-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	4.04	0.875	2.16	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.72	0.664	1.91	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.91	0.811	2.13	—	pCi/L	—	J	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.29	1.02	3.32	—	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
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	900	Gross beta	—	5.97	1.12	3.9	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	68	77.1	237	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	81.8	67.8	326	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	127	82.6	338	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	85.1	83.5	308	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	7.11	8.32	27	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-16.8	10.3	30.1	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-9.73	12.3	39.1	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	13	8.55	29.4	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00199	0.0191	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00323	0.0219	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.000000000433	0.00363	0.0218	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0114	0.00607	0.0475	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00597	0.00346	0.0223	—	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00685	0.00397	0.0256	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00544	0.00406	0.0239	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00458	0.00396	0.0401	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	1.46	19.6	37	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	7.93	19	42.7	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	24	21.7	62	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	1.68	25	30.5	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.74	0.896	2.74	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.101	1.1	4.08	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.263	1.53	5.95	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.338	0.978	3.75	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.127	0.0758	0.297	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0148	0.075	0.316	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0471	0.0526	0.184	—	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
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0138	0.0797	0.397	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.1	0.0878	0.062	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.929	0.0823	0.0702	—	pCi/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.48	0.104	0.0672	—	pCi/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	2.34	0.137	0.106	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0478	0.0171	0.0523	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0416	0.0188	0.0593	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0625	0.0143	0.0326	—	pCi/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.125	0.026	0.0799	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.773	0.0671	0.0659	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.801	0.0719	0.0747	—	pCi/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.13	0.0834	0.0377	—	pCi/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.88	0.115	0.0751	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Voa	8260	Acetone	—	2.33	—	—	1.25	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	UJ	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.68	—	—	1.25	µg/L	J	J-, U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	3.33	—	—	1.25	µg/L	J	J-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.7	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.1	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	53.3	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.3	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.1	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.8	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.8	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.091	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.088	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Bromide	—	0.09	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.106	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.088	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Bromide	—	0.087	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	15.5	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Calcium	—	14.9	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	14.6	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	13.7	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	14.6	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	14.5	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	14.7	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	105	—	—	4.45	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand	<	7.31	—	—	0.89	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	18.8	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Chloride	—	18.8	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Chloride	—	19.5	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Chloride	—	19.5	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Chloride	—	19	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	19.1	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Chloride	—	19.3	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	19.5	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.236	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.228	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Fluoride	<	0.263	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Fluoride	<	0.272	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.233	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.225	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Fluoride	<	0.254	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Fluoride	<	0.261	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	66	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	65.1	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	62.8	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	61.3	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	58.3	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	62.1	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	61	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	62	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.61	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.53	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.21	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.05	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.84	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.23	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.02	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.13	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.344	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.313	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.287	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.288	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.32	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.318	—	—	0.014	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.796	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	0.81	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.848	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.56	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.42	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.36	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.5	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.48	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.48	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.91	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.61	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	4.55	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.51	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	4.73	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.57	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	4.52	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.9	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	57.2	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.4	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	52.1	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	54.9	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.3	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	56.2	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	10.9	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	10.8	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Sodium	—	10.4	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	10.2	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	9.88	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	10.4	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	10.1	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	10.2	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	204	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	208	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	210	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	204	—	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	404	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	203	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	207	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	205	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.86	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	8.92	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.95	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	8.95	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.87	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	8.92	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.93	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	9	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	167	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	155	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	162	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	147	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	156	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	151	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	163	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	163	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.051	—	—	0.01	mg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.06	—	—	0.33	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	—	1.67	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.823	—	—	0.33	mg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	<	0.748	—	—	0.33	mg/L	J	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.38	—	—	0.713	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	160.2	Total Suspended Solids	—	4.75	—	—	0.713	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	23.6	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Barium	—	23.4	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Barium	—	23.1	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Barium	—	22.7	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	21.3	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Barium	—	22.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Barium	—	22.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Barium	—	22.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	14.3	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Boron	—	13	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Boron	—	16.3	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Boron	—	15	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	12.5	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Boron	—	12.7	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Boron	—	14.2	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Boron	—	15	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Chromium	—	1	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Chromium	—	1.8	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Chromium	—	1.5	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.9	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Chromium	—	3.2	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Chromium	—	3	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Chromium	—	2.4	—	—	1	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Copper	—	3.2	—	—	3	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Copper	—	7.1	—	—	3	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Iron	—	34.9	—	—	18	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Iron	—	19.2	—	—	18	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	230	—	—	18	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Iron	—	169	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Iron	—	74.3	—	—	18	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Iron	—	58.8	—	—	18	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Lead	—	0.78	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Lead	—	1.3	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6020	Lead	—	0.79	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6020	Lead	—	0.71	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	4.8	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Manganese	—	5.2	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Manganese	—	2.4	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Manganese	—	2	—	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.6	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Manganese	—	8.2	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.5	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Manganese	—	4.3	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1.9	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.9	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.9	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Nickel	—	4.3	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.6	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6020	Nickel	—	2.3	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	84.5	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Strontium	—	83.3	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Strontium	—	84.6	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Strontium	—	82.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	74.4	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Strontium	—	78.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Strontium	—	82.3	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Strontium	—	82.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.6	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Vanadium	—	1.8	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Vanadium	—	2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Vanadium	—	1.4	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	1.5	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Vanadium	—	2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	1.9	—	—	1	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Zinc	<	14.8	—	—	2	µg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Zinc	<	16	—	—	2	µg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Zinc	<	8.3	—	—	2	µg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Zinc	<	8.8	—	—	2	µg/L	J	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.6	—	—	2	µg/L	—	J+	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Zinc	—	26.1	—	—	2	µg/L	—	J+	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.7	—	—	2	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Zinc	—	15.2	—	—	2	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00545	0.0028	0.0223	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	0.000923	0.0044	0.0235	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00919	0.00747	0.0267	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.00716	0.00388	0.0235	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00213	0.00536	0.0278	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.00354	0.00907	0.0286	—	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
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.597	1.09	4.16	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	3.7	2.71	3.57	—	pCi/L	UI	R	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	2.16	1.81	3.85	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	1.5	1.21	4.18	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.42	0.88	3.37	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	-1.12	1.01	3.39	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.684	1.3	4.66	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.559	1.18	4.18	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.456	1.15	3.5	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	-0.433	1.22	3.84	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.171	0.782	2.88	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	0.301	1.06	3.98	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.824	0.296	0.828	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	0.371	0.267	0.864	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.964	0.247	0.44	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.596	0.3	0.918	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0527	0.432	1.74	—	pCi/L	U	J-, U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.818	0.483	1.53	—	pCi/L	U	J-, U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.83	1.03	2.67	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	900	Gross beta	—	4.53	1.09	3.28	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.18	0.724	2.22	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00347	0.00602	0.0334	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0206	0.0083	0.048	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0125	0.00725	0.032	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.005	0.0051	0.007	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.00391	0.00677	0.0438	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.00561	0.006	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.008	0.0085	0.01	—	pCi/L	—	U	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0174	0.00779	0.0389	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00688	0.00513	0.04	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00417	0.00296	0.033	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.003	0.00459	0.009	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	60.1	15.4	68.7	—	pCi/L	U	J, U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Potassium-40	—	1050	—	1050	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Potassium-40	—	580	—	—	—	pCi/L	U	R	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	-15.8	15.9	49.6	—	pCi/L	U	J, U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.6	9.58	39.3	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	22.5	31.8	66.1	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Potassium-40	—	1030	—	1030	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.0383	0.984	3.81	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	GS	Sodium-22	—	16.7	—	16.7	—	pCi/L	U	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	GS	Sodium-22	—	13.8	—	—	—	pCi/L	U	R	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.369	1.2	3.7	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.806	0.781	3.03	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-1.56	1.78	6.28	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	GS	Sodium-22	—	20.4	—	20.3	—	pCi/L	U	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.321	0.146	0.512	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.22	0.10714	0.36	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.05	0.35	—	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0258	0.12	0.41	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0945	0.0679	0.286	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.091	0.0396	0.121	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.31	0.11735	0.36	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0932	0.0196	0.0611	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.25	0.05102	0.05	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.09	0.045	—	—	pCi/L	—	NQ	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.236	0.0356	0.0772	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.191	0.0254	0.076	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.261	0.0243	0.054	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.45	0.06122	0.04	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00764	0.00542	0.0517	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.03	0.02041	0.02	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0	0.015	—	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0204	0.0115	0.0654	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0174	0.0103	0.046	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0445	0.0103	0.033	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.08	0.03061	0.03	—	pCi/L	—	U	RGGJ
LAOI(a)-1.1	295	8/4/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0523	0.0149	0.0649	—	pCi/L	U	U	GELC
LAOI(a)-1.1	295	11/1/1995	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.24	0.04592	0.02	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	5/18/1995	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.06	0.035	—	—	pCi/L	—	NQ	RGGJ

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
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.195	0.0315	0.0821	—	pCi/L	—	J	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.176	0.0229	0.054	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.186	0.0204	0.038	—	pCi/L	—	—	GELC
LAOI(a)-1.1	295	11/1/1995	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.36	0.05102	0.02	—	pCi/L	—	NQ	RGGJ
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Voa	8260	Acetone	—	1.46	—	—	1.25	µg/L	J	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	8/7/2006	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	0.25	µg/L	U	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	—	0.287	—	—	0.25	µg/L	J	—	GELC
LAOI(a)-1.1	295	8/4/2006	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	0.25	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
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	5/7/2005	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	—	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI(a)-1.1	295	6/3/2004	WG	UF	CS	FTB	Voa	8260	Xylene[1,3-]+Xylene[1,4-]	<	2	—	—	—	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	97.1	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	105	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	111	—	—	1.45	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	98.1	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	108	—	—	0.725	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Calcium	—	20.3	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Calcium	—	22.3	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Calcium	—	27.4	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	21.6	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	21.7	—	—	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
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	30.5	—	—	0.036	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	14.4	—	—	0.89	mg/L	—	J+	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.86	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.15	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Chloride	—	7	—	—	0.053	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.1	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.23	—	—	0.066	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.179	—	—	0.033	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Fluoride	<	0.209	—	—	0.033	mg/L	—	U	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.187	—	—	0.03	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.166	—	—	0.033	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Fluoride	<	0.215	—	—	0.033	mg/L	—	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	66.3	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	73.3	—	—	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
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	91	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	70.7	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	71.3	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	100	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.81	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.26	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.48	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.06	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.14	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.88	—	—	0.085	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.61	—	—	0.014	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.42	—	—	0.014	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.47	—	—	0.017	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.4	—	—	0.014	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
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.35	—	—	0.017	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	3.01	—	—	0.25	µg/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.42	—	—	0.01	SU	H	J	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.16	—	—	0.01	SU	H	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.59	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.22	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Potassium	—	6.81	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.89	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.08	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	6.95	—	—	0.05	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	64.1	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	70.2	—	—	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
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	63.6	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	67.7	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	70.5	—	—	0.032	mg/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	65.9	—	—	0.032	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	6010	Sodium	—	17.4	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	6010	Sodium	—	22.9	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	6010	Sodium	—	30.7	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	18.2	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	22.8	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	33.5	—	—	0.045	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	261	—	—	1	uS/cm	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	263	—	—	1	uS/cm	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	300	Sulfate	—	6.39	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12	—	—	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
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Sulfate	—	33.9	—	—	0.057	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	5.47	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	11.5	—	—	0.1	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	199	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	213	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	201	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	218	—	—	2.38	mg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.614	—	—	0.33	mg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.03	—	—	0.33	mg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.724	—	—	0.074	mg/L	J	J-	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.021	—	—	0.01	mg/L	J	J-, JN-	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.029	—	—	0.01	mg/L	J	U	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	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
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.036	—	—	0.01	mg/L	J	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	0.75	—	—	0.713	mg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	UJ	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Aluminum	—	114	—	—	68	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Aluminum	—	106	—	—	68	µg/L	J	JN-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Aluminum	—	130	—	—	68	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Barium	—	38	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Barium	—	40.9	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Barium	—	36.7	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Barium	—	40.7	—	—	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
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Barium	—	41.4	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Barium	—	40.5	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Boron	—	14	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Boron	—	10.7	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Boron	—	15.4	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Boron	—	10	—	—	10	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.7	—	—	1	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	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
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Iron	—	34.8	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Iron	—	51.9	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Iron	—	68.8	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Iron	—	45.7	—	—	18	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Manganese	—	30.5	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Manganese	—	114	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Manganese	—	34.6	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Manganese	—	111	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Manganese	—	465	—	—	2	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Nickel	—	0.58	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6020	Nickel	—	0.82	—	—	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
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.55	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.64	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6010	Strontium	—	145	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6010	Strontium	—	166	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6010	Strontium	—	247	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6010	Strontium	—	154	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6010	Strontium	—	162	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6010	Strontium	—	281	—	—	1	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Met	6020	Uranium	—	2.7	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	F	CS	—	Met	6020	Uranium	—	3.4	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	F	CS	—	Met	6020	Uranium	—	6.5	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.5	—	—	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
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Met	6020	Uranium	—	3.4	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Met	6020	Uranium	—	6.9	—	—	0.05	µg/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00237	0.00261	0.0285	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00378	0.00292	0.0253	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.000104	0.0053	0.0289	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.000937	0.00357	0.0264	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.84	1.1	4.28	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.14	1.04	3.58	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.14	1.36	4.82	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	3.44	2.34	3.57	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.56	1.08	4.2	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.71	1.09	3.45	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.36	1.8	7.67	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.01	0.914	3.73	—	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
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.35	0.477	1.49	—	pCi/L	U	J-, U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.09	0.887	2.47	—	pCi/L	U	J-, U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	3.01	0.682	1.58	—	pCi/L	—	J, J-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	4.04	0.875	2.16	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.72	0.664	1.91	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.91	0.811	2.13	—	pCi/L	—	J	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.29	1.02	3.32	—	pCi/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	900	Gross beta	—	5.97	1.12	3.9	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	68	77.1	237	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	81.8	67.8	326	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	127	82.6	338	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	85.1	83.5	308	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	7.11	8.32	27	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-16.8	10.3	30.1	—	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
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-9.73	12.3	39.1	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	13	8.55	29.4	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00199	0.0191	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00323	0.0219	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.000000000433	0.00363	0.0218	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0114	0.00607	0.0475	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00597	0.00346	0.0223	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00685	0.00397	0.0256	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00544	0.00406	0.0239	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00458	0.00396	0.0401	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	1.46	19.6	37	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	7.93	19	42.7	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	24	21.7	62	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	1.68	25	30.5	—	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
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.74	0.896	2.74	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.101	1.1	4.08	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.263	1.53	5.95	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.338	0.978	3.75	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.127	0.0758	0.297	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0148	0.075	0.316	—	pCi/L	U	U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0471	0.0526	0.184	—	pCi/L	U	U	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0138	0.0797	0.397	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.1	0.0878	0.062	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.929	0.0823	0.0702	—	pCi/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.48	0.104	0.0672	—	pCi/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	2.34	0.137	0.106	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0478	0.0171	0.0523	—	pCi/L	U	U	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0416	0.0188	0.0593	—	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
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0625	0.0143	0.0326	—	pCi/L	—	J	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.125	0.026	0.0799	—	pCi/L	—	J	GELC
LAOI-3.2	153	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.773	0.0671	0.0659	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.801	0.0719	0.0747	—	pCi/L	—	—	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.13	0.0834	0.0377	—	pCi/L	—	—	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.88	0.115	0.0751	—	pCi/L	—	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	—	Voa	8260	Acetone	—	2.33	—	—	1.25	µg/L	J	—	GELC
LAOI-3.2	153	7/25/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	UJ	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.68	—	—	1.25	µg/L	J	J-, U	GELC
LAOI-3.2	153	4/19/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	3.33	—	—	1.25	µg/L	J	J-	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI-3.2	153	11/15/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.7	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.1	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	53.3	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.3	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	50.6	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	51.1	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.8	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	52.8	—	—	0.725	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.091	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.088	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Bromide	—	0.09	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.106	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.088	—	—	0.066	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Bromide	—	0.087	—	—	0.066	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	15.5	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	15.3	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Calcium	—	14.9	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	14.6	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	13.7	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	14.6	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	14.5	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	14.7	—	—	0.036	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	105	—	—	4.45	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand	<	7.31	—	—	0.89	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	18.8	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Chloride	—	18.8	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Chloride	—	19.5	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Chloride	—	19.5	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Chloride	—	19	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	19.1	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Chloride	—	19.3	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	19.5	—	—	0.066	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.236	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.228	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Fluoride	<	0.263	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Fluoride	<	0.272	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.233	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.225	—	—	0.033	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Fluoride	<	0.254	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Fluoride	<	0.261	—	—	0.033	mg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	66	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	65.1	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	62.8	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	61.3	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	58.3	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	62.1	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	61	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	62	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.61	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.53	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.21	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.05	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.84	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.23	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.02	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.13	—	—	0.085	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.344	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.313	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.287	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.288	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.32	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.318	—	—	0.014	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.796	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	0.81	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.848	—	—	0.05	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.56	—	—	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.42	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.49	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.36	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.5	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.48	—	—	0.01	SU	H	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.48	—	—	0.01	SU	H	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.91	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	4.86	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.61	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	4.55	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.51	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	4.73	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.57	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	4.52	—	—	0.05	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.9	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	57.2	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.4	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	52.1	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	54.9	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.3	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	56.2	—	—	0.032	mg/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	10.9	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	10.8	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	6010	Sodium	—	10.4	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	10.2	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	9.88	—	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	10.4	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	10.1	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	10.2	—	—	0.045	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	204	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	208	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	210	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	204	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	404	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	203	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	207	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	205	—	—	1	uS/cm	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.86	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	8.92	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	300	Sulfate	—	8.95	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	8.95	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.87	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	8.92	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	8.93	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	9	—	—	0.1	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	167	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	155	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	162	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	147	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	156	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	151	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	163	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	163	—	—	2.38	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.051	—	—	0.01	mg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.06	—	—	0.33	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	—	1.67	—	—	0.33	mg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.823	—	—	0.33	mg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	<	0.748	—	—	0.33	mg/L	J	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.38	—	—	0.713	mg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Inorg	160.2	Total Suspended Solids	—	4.75	—	—	0.713	mg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	23.6	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Barium	—	23.4	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Barium	—	23.1	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Barium	—	22.7	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	21.3	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Barium	—	22.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Barium	—	22.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Barium	—	22.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	14.3	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Boron	—	13	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Boron	—	16.3	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Boron	—	15	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	12.5	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Boron	—	12.7	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Boron	—	14.2	—	—	10	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Boron	—	15	—	—	10	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Chromium	—	1	—	—	1	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Chromium	—	1.8	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Chromium	—	1.5	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.9	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Chromium	—	3.2	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Chromium	—	3	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Copper	—	3.2	—	—	3	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Copper	—	7.1	—	—	3	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Iron	—	34.9	—	—	18	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Iron	—	19.2	—	—	18	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Iron	—	230	—	—	18	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Iron	—	169	—	—	18	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Iron	—	74.3	—	—	18	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Iron	—	58.8	—	—	18	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Lead	—	0.78	—	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Lead	—	1.3	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6020	Lead	—	0.79	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6020	Lead	—	0.71	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Manganese	—	4.8	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Manganese	—	5.2	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Manganese	—	2.4	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Manganese	—	2	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.6	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Manganese	—	8.2	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Manganese	—	5.5	—	—	2	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Manganese	—	4.3	—	—	2	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	1.9	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.9	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6020	Nickel	—	1.2	—	—	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
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.9	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6020	Nickel	—	4.3	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.6	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6020	Nickel	—	2.3	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	84.5	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Strontium	—	83.3	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Strontium	—	84.6	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Strontium	—	82.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	74.4	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Strontium	—	78.9	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Strontium	—	82.3	—	—	1	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Strontium	—	82.8	—	—	1	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	1.6	—	—	1	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Vanadium	—	1.8	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Vanadium	—	2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Vanadium	—	1.4	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	1.2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	1.5	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Vanadium	—	2	—	—	1	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	1.9	—	—	1	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Met	6010	Zinc	<	14.8	—	—	2	µg/L	—	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Met	6010	Zinc	<	16	—	—	2	µg/L	—	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	—	Met	6010	Zinc	<	8.3	—	—	2	µg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	F	CS	FD	Met	6010	Zinc	<	8.8	—	—	2	µg/L	J	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.6	—	—	2	µg/L	—	J+	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Met	6010	Zinc	—	26.1	—	—	2	µg/L	—	J+	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Met	6010	Zinc	—	18.7	—	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Met	6010	Zinc	—	15.2	—	—	2	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00545	0.0028	0.0223	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	0.000923	0.0044	0.0235	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00919	0.00747	0.0267	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.00716	0.00388	0.0235	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00213	0.00536	0.0278	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.00354	0.00907	0.0286	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.597	1.09	4.16	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	3.7	2.71	3.57	—	pCi/L	UI	R	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	2.16	1.81	3.85	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	1.5	1.21	4.18	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.42	0.88	3.37	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	-1.12	1.01	3.39	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.684	1.3	4.66	—	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.559	1.18	4.18	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.456	1.15	3.5	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	-0.433	1.22	3.84	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.171	0.782	2.88	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	0.301	1.06	3.98	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.824	0.296	0.828	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	0.371	0.267	0.864	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.964	0.247	0.44	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.596	0.3	0.918	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0527	0.432	1.74	—	pCi/L	U	J-, U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	0.818	0.483	1.53	—	pCi/L	U	J-, U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.83	1.03	2.67	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	900	Gross beta	—	4.53	1.09	3.28	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.18	0.724	2.22	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	2.99	0.811	2.54	—	pCi/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.36	0.96	3.52	—	pCi/L	—	J	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	5.11	0.968	3.42	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	77.2	69.1	231	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Gross gamma	—	72.2	85.2	230	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	62.1	55	238	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	1260	2840	2930	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	71.1	76.1	238	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	72.5	52.9	253	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	3.34	8.37	29.3	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Neptunium-237	—	-7.31	7.79	26.7	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.42	8.87	30.7	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-9.95	8.6	25.5	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.97	7.47	23	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-10.2	4.83	15.1	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0358	0.00878	0.0181	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.00725	0.00364	0.0174	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00183	0.00183	0.0176	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.00195	0.00436	0.0187	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00828	0.00775	0.0248	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.00681	0.0109	0.0272	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.00377	0.0211	—	pCi/L	U	JN-, U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.00362	0.00257	0.0203	—	pCi/L	U	JN-, U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00183	0.00316	0.0204	—	pCi/L	U	JN-, U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	0.00585	0.00517	0.0218	—	pCi/L	U	JN-, U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00828	0.00415	0.0272	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	-0.0136	0.00909	0.0299	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	0.759	15.6	43.9	—	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
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Potassium-40	—	9.99	16.4	35.4	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.7	10.6	49.2	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	2.54	15.7	37.4	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	28.4	21.6	35.1	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	43.6	13.8	57	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.507	0.957	3.94	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.433	0.936	3.5	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.664	1.24	4.34	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-0.495	1.1	3.43	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.212	0.843	3.2	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-0.205	1.1	3.95	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.2	0.123	0.407	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.0812	0.0742	0.252	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0512	0.0506	0.17	—	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
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	-0.081	0.0629	0.222	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0999	0.0504	0.188	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	0.0232	0.0456	0.178	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.285	0.0282	0.0383	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.266	0.0274	0.0405	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.223	0.0276	0.0499	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	0.253	0.0322	0.0539	—	pCi/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.267	0.0306	0.0747	—	pCi/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	0.222	0.0285	0.0771	—	pCi/L	—	J	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0136	0.00561	0.0323	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0168	0.00642	0.0342	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0178	0.00942	0.0421	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.00319	0.00553	0.0454	—	pCi/L	U	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0058	0.01	0.0362	—	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.00896	0.00898	0.0374	—	pCi/L	U	U	GELC
LAOI-7	240	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.209	0.0229	0.0407	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.196	0.0226	0.0431	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.194	0.0257	0.0531	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.178	0.0258	0.0573	—	pCi/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.197	0.0255	0.0419	—	pCi/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.181	0.0242	0.0432	—	pCi/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	SV	8270	Methylphenol[2-]	—	5.03	—	—	2.06	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	SV	8270	Methylphenol[2-]	—	5.58	—	—	2.04	µg/L	J	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	SV	8270	Methylphenol[2-]	<	10.2	—	—	2.04	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	SV	8270	Methylphenol[2-]	<	10.2	—	—	2.04	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	SV	8270	Naphthalene	—	0.343	—	—	0.309	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	SV	8270	Naphthalene	<	1.02	—	—	0.306	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	SV	8270	Naphthalene	<	1.02	—	—	0.306	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
LAOI-7	240	5/9/2006	WG	UF	CS	FD	SV	8270	Naphthalene	<	1.02	—	—	0.306	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Voa	8260	Acetone	—	2.29	—	—	1.25	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R, UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	RE	—	Voa	8260	Acetone	<	10	—	—	2.5	µg/L	U	UJ	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.01	—	—	1.25	µg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Voa	8260	Acetone	<	2.57	—	—	1.25	µg/L	J	U	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.77	—	—	1.25	µg/L	J	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Voa	8260	Naphthalene	<	1	—	—	0.25	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Voa	8260	Naphthalene	<	1	—	—	0.25	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FTB	Voa	8260	Naphthalene	<	1	—	—	0.25	µg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	RE	—	Voa	8260	Naphthalene	<	2	—	—	0.5	µg/L	U	UJ	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Voa	8260	Naphthalene	<	1	—	—	0.25	µg/L	U	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Voa	8260	Naphthalene	<	1	—	—	0.25	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
LAOI-7	240	5/9/2006	WG	UF	CS	FTB	Voa	8260	Naphthalene	<	1	—	—	0.25	µg/L	U	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	—	Voa	8260	Toluene	—	104	—	—	0.25	µg/L	E	J	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FD	Voa	8260	Toluene	—	45.6	—	—	0.25	µg/L	—	—	GELC
LAOI-7	240	8/1/2006	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	UJ	GELC
LAOI-7	240	8/1/2006	WG	UF	RE	—	Voa	8260	Toluene	—	112	—	—	0.5	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	—	Voa	8260	Toluene	—	69.8	—	—	0.25	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FD	Voa	8260	Toluene	—	71.2	—	—	0.25	µg/L	—	—	GELC
LAOI-7	240	5/9/2006	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	91.6	—	—	0.725	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	80.4	—	—	1.45	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	82.5	—	—	0.73	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	294	—	—	0.73	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	289	—	—	0.73	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	92.2	—	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.04	—	—	0.01	mg/L	J	JN-	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.05	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	29	—	—	0.036	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Calcium	—	24.4	—	—	0.036	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	51.1	—	—	0.0055	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Calcium	—	58.2	—	—	0.038	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	58.6	—	—	0.038	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	28.2	—	—	0.036	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	24.7	—	—	0.036	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	51.8	—	—	0.0055	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Calcium	—	58.7	—	—	0.038	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	23.8	—	—	0.89	mg/L	—	J-	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	29.9	—	—	0.33	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	300	Chloride	—	34.7	—	—	0.265	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
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	300	Chloride	—	32.5	—	—	0.32	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	300	Chloride	—	33.7	—	—	0.13	mg/L	J	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	300	Chloride	—	34.1	—	—	0.13	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	29.9	—	—	0.33	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00237	—	—	0.0015	mg/L	J	JN-	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	9012	Cyanide (Total)	<	0.0025	—	—	0.0025	mg/L	U	—	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Inorg	9010	Cyanide (Total)	<	0.01	—	—	—	mg/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	UJ	GELC
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Inorg	9010	Cyanide (Total)	<	0.01	—	—	—	mg/L	U	U	PARA
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Inorg	9010	Cyanide (Total)	<	0.001	—	—	—	mg/L	U	U	KA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.228	—	—	0.033	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.249	—	—	0.03	mg/L	—	J+	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.11	—	—	0.055	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	300	Fluoride	<	1.6	—	—	0.014	mg/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.072	—	—	0.014	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.218	—	—	0.033	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	80	—	—	0.02	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	77.9	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	79.6	—	—	0.02	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	79.1	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.36	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	4.13	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	9.31	—	—	0.0052	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Magnesium	—	10.4	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	10.5	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.3	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.24	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	9.44	—	—	0.0052	mg/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	10.5	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.39	—	—	0.014	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.152	—	—	0.003	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.13	—	—	0.01	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.03	—	—	0.0069	mg/L	J	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.04	—	—	0.0069	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.41	—	—	0.014	mg/L	—	—	GELC
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	<	0.05	—	—	—	mg/L	U	U	KA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.04	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.83	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-1	5.89	4/4/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.7	—	—	—	SU	—	NQ	HUFFMAN
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.09	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.51	—	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Potassium	—	5.53	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	10	—	—	0.017	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Potassium	—	9.34	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	9.42	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.44	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	5.59	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	10.2	—	—	0.017	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	9.42	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	29.2	—	—	0.032	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	J-	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	14.9	—	—	0.0098	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	32.2	—	—	0.032	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	15.1	—	—	0.0098	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	34.7	—	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Sodium	—	41.7	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	51	—	—	0.014	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	56.2	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	56.6	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	33.9	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	41.9	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	51.7	—	—	0.014	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	56.7	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	350	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	342	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	348	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	18.1	—	—	0.1	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	300	Sulfate	—	24.4	—	—	0.057	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	142	—	—	1.9	mg/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13.7	—	—	0.062	mg/L	J	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	16.4	—	—	0.062	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	18.1	—	—	0.1	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	230	—	—	2.38	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	235	—	—	2.38	mg/L	—	—	GELC
PAO-1	5.89	6/17/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	250	—	—	—	mg/L	—	NQ	RECRAP
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	2.38	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.305	—	—	0.01	mg/L	—	J+	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.258	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.313	—	—	0.01	mg/L	—	J+	GELC
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.3	—	—	—	mg/L	—	NQ	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	8.75	—	—	0.66	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	4.84	—	—	0.025	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	11.6	—	—	0.041	mg/L	—	NQ	GEL

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
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0065	—	—	—	mg/L	—	NQ	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.334	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.346	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2	—	—	1.43	mg/L	J	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	—	387	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Aluminum	—	1680	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	1090	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Aluminum	—	2120	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	15.1	—	—	15	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	27	—	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Barium	—	27.3	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Barium	—	67	—	—	0.22	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Barium	—	55.5999985	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Barium	—	54.0999985	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	28.3	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Barium	—	28.9	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Barium	—	67.5	—	—	0.22	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Barium	—	55	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	37.5	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Boron	—	28.2	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Boron	—	45.0999985	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Boron	—	44.9000015	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	6/17/2000	WG	F	CS	NA	Met	6010	Boron	<	60.1	—	—	—	µg/L	—	U	KA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	37.2	—	—	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
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Boron	—	27.6	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Boron	—	44.2000008	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Met	6010	Boron	—	29.1	—	—	—	µg/L	B	J	KA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.4	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Chromium	—	2.1	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	211	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Iron	—	898	—	—	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
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Iron	—	20.5	—	—	13	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Iron	<	24	—	—	21	µg/L	B	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Iron	<	22.7000008	—	—	21	µg/L	B	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	595	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Iron	—	1170	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Iron	—	37.3	—	—	13	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Iron	—	52.2999992	—	—	21	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	UJ	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6020	Lead	<	2	—	—	0.05	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Lead	—	0.62	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	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
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6020	Lead	—	0.051	—	—	0.05	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6020	Manganese	—	4.7	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6020	Manganese	—	5.28	—	—	1.6	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Manganese	—	2200	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Manganese	—	2210	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	9.3	—	—	2	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6020	Manganese	—	10.5	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6020	Manganese	—	7.52	—	—	1.6	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Manganese	—	2220	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Nickel	<	2.2	—	—	1	µg/L	J	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Nickel	—	2.75	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Nickel	—	2.80999994	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Nickel	<	2.5	—	—	1	µg/L	J	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Nickel	—	1.07	—	—	0.69	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.25999999	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	152	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Strontium	—	121	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.11	—	—	0.05	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6020	Uranium	—	0.89999998	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.91000003	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	6/17/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.11	—	—	—	µg/L	B	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
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.12	—	—	0.05	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.92000002	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	6/17/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.12	—	—	—	µg/L	B	J	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Vanadium	—	3.34	—	—	0.61	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Vanadium	—	3.24000001	—	—	1.1	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Vanadium	—	3.43000007	—	—	1.1	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	4.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Vanadium	—	4.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	3.37	—	—	0.61	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.44000006	—	—	1.1	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00252	0.0036	0.0224	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00939	0.00811	0.044	—	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
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0	0.0058	0.025	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0359	0.011	0.00883	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0164	0.00742	0.00891	—	pCi/L	—	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00471	0.00562	0.0306	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.00663	0.005	0.016	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0215	0.011	0.00858	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.026	0.0155	0.045	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.0186	0.778	2.88	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.358	0.815	2.95	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.681	0.88	2.9	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.76200002	0.860000014	3.299999952	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.79900003	0.99000001	3.599999905	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.22	1.17	4.56	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.322	1.4	4.7	—	pCi/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.0275	0.850000024	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	1	3.75	6.1	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.58	0.997	4.11	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	0.861	3.34	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	0.23	0.96	3.3	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.207	0.829999983	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.398999989	1.200000048	3.599999905	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.12	1.11	4.72	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.143	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	1.30999994	0.930000007	4	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-3.3	4	7	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-1.47	0.544	2.52	—	pCi/L	U	J+, U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.718	0.386	1.35	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.549	0.514	2.22	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.67	0.895	2.01	—	pCi/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross beta	—	6.81	0.864	2.68	—	pCi/L	—	J	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	6.27	0.523	1.07	—	pCi/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.6	66	220	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	79.6	71	315	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.1	72.2	365	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.78	6.69	23	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	6.31	7.29	25.3	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	19	12.5	18	—	pCi/L	U	U	PARA
PAO-1	5.89	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-15	7	11	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	7.79	11.8	31.9	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	14	13	21	—	pCi/L	U	U	PARA
PAO-1	5.89	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	9	10	17	—	pCi/L	U	U	PARA
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-3	9	15	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.013	0.00618	0.0178	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.045	0.0155	0.039	—	pCi/L	U	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.00536	0.0054	0.029	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0663	0.0128	0.00619	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00242	0.00419	0.018	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0016	0.00277	0.0153	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.0022	0.0049	0.024	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.0104	0.00523	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.002	0.006	0.028	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00371	0.00371	0.0208	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00375	0.00918	0.033	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00535	0.0066	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.01	0.00688	0.02	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00966	0.00765	0.03	—	pCi/L	U	U	GEL

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
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0016	0.00277	0.0179	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.0066	0.0091	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.00522	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.004	0.006	0.03	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	11.1	15.8	34.8	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	31.6	20	26.5	—	pCi/L	UI	R	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	7.17	24	30	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Potassium-40	—	5.6500001	16	41	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	26.5	13	51	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	78.2	18.2	81.5	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.4	26	43	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.0999985	15	38	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	30	65	100	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.564	0.868	3.19	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.972	0.935	3.14	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.675	0.99	3.5	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.370999992	0.839999974	3.099999905	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-1.399999976	1.100000024	3.700000048	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.169	1.12	4.33	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-0.404	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-1.080000043	1.100000024	3.5	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-3.9	4.8	8.4	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.664	0.178	0.489	—	pCi/L	—	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.492	0.124	0.451	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.55	0.08	0.06	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	905.0	Strontium-90	—	3.20000005	0.48	0.4	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	1.26	0.29	0.77	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.456	0.132	0.398	—	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
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.558	0.071	0.06	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	1.14	0.29	0.89	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.5	0.65	2.2	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0728	0.015	0.0524	—	pCi/L	—	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0742	0.0144	0.071	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.00831	0.0083	0.029	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.393	0.0429	0.00688	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.298	0.036	0.027	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0641	0.0183	0.0608	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0212	0.0069	0.0057	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.304	0.038	0.05	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.048	0.0265	0.063	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0	0.00621	0.0442	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00465	0.00806	0.043	—	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
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0104	0.0047	0.0057	—	pCi/L	—	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0127	0.00849	0.027	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0115	0.00708	0.021	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0108	0.0108	0.0513	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.00425	0.0043	0.016	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0314	0.015	0.045	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0	0.012	0.024	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0452	0.0121	0.0557	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0672	0.0133	0.05	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0145	0.007	0.019	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.236	0.029	0.00688	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.212	0.029	0.027	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0379	0.0153	0.0646	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.00212	0.0056	0.023	—	pCi/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.24	0.034	0.055	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.024	0.0185	0.051	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	2.9	—	—	2	µg/L	J	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	—	4.79	—	—	2	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5	—	—	1.9	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	2200	—	—	0.63	µg/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71	—	—	0.725	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	0.725	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.059	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.084	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17.4	—	—	0.036	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.7	—	—	0.036	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Calcium	<	49.8	—	—	0.038	mg/L	B	J	GEL

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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	27.9	—	—	0.89	mg/L	—	J-	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	23.4	—	—	0.33	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	23.2	—	—	0.33	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.282	—	—	0.033	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.292	—	—	0.033	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	49	—	—	0.02	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	51.5	—	—	0.02	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.74	—	—	0.085	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.93	—	—	0.085	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Magnesium	<	7.3	—	—	0.0045	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.51	—	—	0.014	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.4	—	—	0.014	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.01	—	—	0.01	SU	H	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.02	—	—	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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.03	—	—	0.05	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.27	—	—	0.05	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Potassium	<	8.61	—	—	0.00709	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.7	—	—	0.032	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	34.2	—	—	0.045	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	35.1	—	—	0.045	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Sodium	<	44.5	—	—	0.0081	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	276	—	—	1	uS/cm	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	276	—	—	1	uS/cm	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	15.4	—	—	0.1	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	15.3	—	—	0.1	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	216	—	—	2.38	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	231	—	—	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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.218	—	—	0.01	mg/L	—	J+	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.274	—	—	0.01	mg/L	—	J+	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	9.73	—	—	0.66	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.436	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.423	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	1.63	—	—	0.713	mg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	—	2240	—	—	68	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	3750	—	—	68	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Aluminum	<	26.5	—	—	34	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	28.4	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	33.2	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Barium	—	60.09	—	—	0.15	µg/L	—	NQ	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	33.9	—	—	10	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	34.6	—	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Boron	<	32	—	—	3	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Chromium	—	2.1	—	—	1	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	3.1	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Chromium	<	5	—	—	0.77	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.5	—	—	1	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Cobalt	<	0.17	—	—	0.01	µg/L	BE	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	4.6	—	—	3	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Copper	<	2.75	—	—	2.7	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	1270	—	—	18	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	2080	—	—	18	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Iron	<	7.34	—	—	21	µg/L	B	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Lead	—	1.2	—	—	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Lead	—	2.2	—	—	0.5	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Lead	<	5	—	—	3.4	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	10	—	—	2	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	16	—	—	2	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Manganese	<	4.9	—	—	2.9	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3	—	—	2	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	3.6	—	—	2	µg/L	J	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Molybdenum	<	2.01	—	—	0.58	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	1.8	—	—	0.5	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	2	—	—	0.5	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	92.5	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	95.6	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.26	—	—	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.35	—	—	0.05	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6020	Uranium	—	1.98	—	—	0.01	µg/L	E	NQ	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	5.9	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.2	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Vanadium	<	2.92	—	—	1.1	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Zinc	<	8.2	—	—	2	µg/L	J	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	11.6	—	—	2	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Zinc	<	11.39	—	—	2.79	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.0242	0.0164	0.0237	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0653	0.0182	0.0273	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Americium-241	—	0.02	0.00841	0.00795	—	pCi/L	—	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Americium-241	<	0.007	0.007	0.01	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.37	1.06	4.01	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.2	1.04	4.06	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	<	-1.27	1	3.29	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Cesium-137	<	2.2	3.15	5	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.302	0.953	3.63	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.44	1.01	3.35	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	<	-1.26	1	3.29	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Cobalt-60	<	-0.3	3.15	5.2	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.319	0.655	2.19	—	pCi/L	U	J+, U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.69	0.768	2.07	—	pCi/L	U	J+, U	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	8.39	1	2.24	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	6.58	0.541	1.12	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	94.8	83.8	315	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	84.6	98.4	293	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.13	7.37	25.6	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-9.1	8.21	28	—	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
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Neptunium-237	<	-14	11.5	20	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00339	0.0162	0.0163	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00549	0.0041	0.0176	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Plutonium-238	<	-0.002692	0.00269	0.02	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Plutonium-238	<	-0.006	0.0055	0.03	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.271	0.0246	0.019	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	1.17	0.0694	0.0205	—	pCi/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Plutonium-239/240	<	0.00806	0.00602	0.02	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Plutonium-239/240	<	0.004	0.0065	0.02	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	24.8	11.9	48	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	12.7	15.8	45.5	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	<	16.6	19	41	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Potassium-40	<	-50	60	99	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.209	0.914	3.48	—	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.17	1.02	3.87	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	<	-0.31	0.95	3.5	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Sodium-22	<	-3.3	3.5	6.2	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.41	0.269	0.689	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0355	0.0896	0.304	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	10.4	1.6	0.89	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	8.5	1.2	2.4	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.15	0.0258	0.0743	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.19	0.0254	0.052	—	pCi/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.22	0.11	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.33	0.07	0.07	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0264	0.0126	0.0626	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0185	0.0098	0.0439	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.05	0.01	0.04	—	pCi/L	—	NQ	GEL

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
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	<	0.03	0.02	0.06	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0641	0.0164	0.079	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.117	0.0198	0.0553	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.61	0.06	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.12	0.04	0.06	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	169	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	202	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	197	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	284	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	167	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	3.01	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.03	—	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.103	—	—	0.066	mg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Bromide	<	0.2	—	—	0.098	mg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Bromide	—	0.146	—	—	0.098	mg/L	J	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Bromide	<	0.05	—	—	0.02	mg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Bromide	<	0.2	—	—	—	mg/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	50.3	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	25	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	31.5	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	31.7	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	27.5	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	51.2	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	24.5	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	21.3	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	28.7	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	62.1	—	—	0.89	mg/L	—	J-	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	55.9	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	50.4	—	—	0.265	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Chloride	—	39.3	—	—	0.13	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	56.6	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	41	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.448	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.407	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.45	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.411	—	—	0.055	mg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.208	—	—	0.014	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.434	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.53	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	85.4	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	83.5	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	9.31	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.56	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	7.03	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	7.07	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.29	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	9.53	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.44	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.17	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.48	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.014	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.44	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.04	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.62	—	—	0.0069	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.274	—	—	0.014	mg/L	—	J-	GELC
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.072	—	—	—	mg/L	—	NQ	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.051	—	—	0.05	µg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	5.30999994	—	—	0.96	µg/L	—	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.58	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.42	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.5	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.57	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	11.5	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Potassium	—	13.3	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	15.4	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	13.6	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	11.7	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	13.2	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	14	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.1	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.5	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	34	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	34.4	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	54.6	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	39.5	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	63	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Sodium	—	79.1	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	74	—	—	0.014	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	79.6	—	—	0.02	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	79.1	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.36	—	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	4.13	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	9.31	—	—	0.0052	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Magnesium	—	10.4	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	10.5	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.3	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.24	—	—	0.085	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	9.44	—	—	0.0052	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	10.5	—	—	0.0045	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.39	—	—	0.014	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.152	—	—	0.003	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.13	—	—	0.01	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.03	—	—	0.0069	mg/L	J	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	0.04	—	—	0.0069	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.41	—	—	0.014	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
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	<	0.05	—	—	—	mg/L	U	U	KA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.04	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.83	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-1	5.89	4/4/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.7	—	—	—	SU	—	NQ	HUFFMAN
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.09	—	—	0.01	SU	H	J	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	6.51	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Potassium	—	5.53	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	10	—	—	0.017	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Potassium	—	9.34	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	9.42	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	6.44	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	5.59	—	—	0.05	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	10.2	—	—	0.017	mg/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	9.42	—	—	0.0071	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	29.2	—	—	0.032	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	J-	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	14.9	—	—	0.0098	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	32.2	—	—	0.032	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	15.1	—	—	0.0098	mg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	34.7	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	6010	Sodium	—	41.7	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	51	—	—	0.014	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	6010	Sodium	—	56.2	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	56.6	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	33.9	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	41.9	—	—	0.045	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	51.7	—	—	0.014	mg/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	56.7	—	—	0.0081	mg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	350	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	342	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	348	—	—	1	uS/cm	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	18.1	—	—	0.1	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	300	Sulfate	—	24.4	—	—	0.057	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	142	—	—	1.9	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Inorg	300	Sulfate	—	13.7	—	—	0.062	mg/L	J	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	16.4	—	—	0.062	mg/L	J	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	18.1	—	—	0.1	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	230	—	—	2.38	mg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	235	—	—	2.38	mg/L	—	—	GELC
PAO-1	5.89	6/17/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	250	—	—	—	mg/L	—	NQ	RECRAP
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	237	—	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.305	—	—	0.01	mg/L	—	J+	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.258	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.313	—	—	0.01	mg/L	—	J+	GELC
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.3	—	—	—	mg/L	—	NQ	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	8.75	—	—	0.66	mg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	4.84	—	—	0.025	mg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	11.6	—	—	0.041	mg/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0065	—	—	—	mg/L	—	NQ	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.334	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.346	—	—	0.01	mg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2	—	—	1.43	mg/L	J	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	—	387	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Aluminum	—	1680	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	1090	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Aluminum	—	2120	—	—	68	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	15.1	—	—	15	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	27	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Barium	—	27.3	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Barium	—	67	—	—	0.22	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Barium	—	55.5999985	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Barium	—	54.0999985	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	28.3	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Barium	—	28.9	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Barium	—	67.5	—	—	0.22	µg/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Barium	—	55	—	—	0.16	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	37.5	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Boron	—	28.2	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Boron	—	45.0999985	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Boron	—	44.9000015	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	6/17/2000	WG	F	CS	NA	Met	6010	Boron	<	60.1	—	—	—	µg/L	—	U	KA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	37.2	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Boron	—	27.6	—	—	10	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Boron	—	44.2000008	—	—	3	µg/L	B	J	GEL
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Met	6010	Boron	—	29.1	—	—	—	µg/L	B	J	KA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.4	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Chromium	—	2.1	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	211	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Iron	—	898	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Iron	—	20.5	—	—	13	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Iron	<	24	—	—	21	µg/L	B	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Iron	<	22.7000008	—	—	21	µg/L	B	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	595	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Iron	—	1170	—	—	18	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Iron	—	37.3	—	—	13	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Iron	—	52.2999992	—	—	21	µg/L	B	J	GEL

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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	UJ	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6020	Lead	<	2	—	—	0.05	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Lead	—	0.62	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	UJ	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6020	Lead	—	0.051	—	—	0.05	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Lead	<	5	—	—	3.4000001	µg/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6020	Manganese	—	4.7	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6020	Manganese	—	5.28	—	—	1.6	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Manganese	—	2200	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Manganese	—	2210	—	—	2.9000001	µg/L	—	NQ	GEL

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
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	9.3	—	—	2	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6020	Manganese	—	10.5	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6020	Manganese	—	7.52	—	—	1.6	µg/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Manganese	—	2220	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Nickel	<	2.2	—	—	1	µg/L	J	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Nickel	<	5	—	—	0.69	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Nickel	—	2.75	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Nickel	—	2.80999994	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Nickel	<	2.5	—	—	1	µg/L	J	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Nickel	—	1.07	—	—	0.69	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.25999999	—	—	0.74	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	152	—	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Strontium	—	120	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	148	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Strontium	—	121	—	—	1	µg/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.11	—	—	0.05	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6020	Uranium	—	0.8999999 8	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6020	Uranium	—	0.9100000 3	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	6/17/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.11	—	—	—	µg/L	B	J	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.12	—	—	0.05	µg/L	J	—	GELC
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6020	Uranium	—	0.9200000 2	—	—	0.018	µg/L	BE	J	GEL
PAO-1	5.89	6/17/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.12	—	—	—	µg/L	B	J	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Met	6010	Vanadium	—	3.34	—	—	0.61	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Met	6010	Vanadium	—	3.2400000 1	—	—	1.1	µg/L	B	J	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Met	6010	Vanadium	—	3.43000007	—	—	1.1	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	4.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/12/2005	WG	UF	CS	—	Met	6010	Vanadium	—	4.2	—	—	1	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	3.37	—	—	0.61	µg/L	B	J	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.44000006	—	—	1.1	µg/L	B	J	GEL
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00252	0.0036	0.0224	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00939	0.00811	0.044	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0	0.0058	0.025	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0359	0.011	0.00883	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0164	0.00742	0.00891	—	pCi/L	—	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00471	0.00562	0.0306	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.00663	0.005	0.016	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0215	0.011	0.00858	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.026	0.0155	0.045	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.0186	0.778	2.88	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.358	0.815	2.95	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.681	0.88	2.9	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.76200002	0.86000014	3.299999952	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.79900003	0.99000001	3.599999905	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.22	1.17	4.56	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.322	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.0275	0.850000024	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	1	3.75	6.1	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.58	0.997	4.11	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	0.861	3.34	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	0.23	0.96	3.3	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.207	0.829999983	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.398999989	1.200000048	3.599999905	—	pCi/L	U	U	GEL

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
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.12	1.11	4.72	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.143	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	1.30999994	0.930000007	4	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-3.3	4	7	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-1.47	0.544	2.52	—	pCi/L	U	J+, U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.718	0.386	1.35	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.549	0.514	2.22	—	pCi/L	U	J+, U	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.67	0.895	2.01	—	pCi/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross beta	—	6.81	0.864	2.68	—	pCi/L	—	J	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	6.27	0.523	1.07	—	pCi/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.6	66	220	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	79.6	71	315	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.1	72.2	365	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.78	6.69	23	—	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
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	6.31	7.29	25.3	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	19	12.5	18	—	pCi/L	U	U	PARA
PAO-1	5.89	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-15	7	11	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	7.79	11.8	31.9	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	14	13	21	—	pCi/L	U	U	PARA
PAO-1	5.89	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	9	10	17	—	pCi/L	U	U	PARA
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-3	9	15	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.013	0.00618	0.0178	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.045	0.0155	0.039	—	pCi/L	U	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.00536	0.0054	0.029	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0663	0.0128	0.00619	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00242	0.00419	0.018	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0016	0.00277	0.0153	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.0022	0.0049	0.024	—	pCi/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.0104	0.00523	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.002	0.006	0.028	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00371	0.00371	0.0208	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00375	0.00918	0.033	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00535	0.0066	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.01	0.00688	0.02	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00966	0.00765	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0016	0.00277	0.0179	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.0066	0.0091	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.00522	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.004	0.006	0.03	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	11.1	15.8	34.8	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	31.6	20	26.5	—	pCi/L	UI	R	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	7.17	24	30	—	pCi/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Potassium-40	—	5.6500001	16	41	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	26.5	13	51	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	78.2	18.2	81.5	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.4	26	43	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.0999985	15	38	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	30	65	100	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.564	0.868	3.19	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.972	0.935	3.14	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.675	0.99	3.5	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.370999992	0.839999974	3.099999905	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	-1.399999976	1.100000024	3.700000048	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.169	1.12	4.33	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-0.404	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	-1.080000043	1.100000024	3.5	—	pCi/L	U	U	GEL

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
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-3.9	4.8	8.4	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.664	0.178	0.489	—	pCi/L	—	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.492	0.124	0.451	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.55	0.08	0.06	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	905.0	Strontium-90	—	3.20000005	0.48	0.4	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	1.26	0.29	0.77	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.456	0.132	0.398	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.558	0.071	0.06	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	1.14	0.29	0.89	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.5	0.65	2.2	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0728	0.015	0.0524	—	pCi/L	—	J	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.0742	0.0144	0.071	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.00831	0.0083	0.029	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.393	0.0429	0.00688	—	pCi/L	—	NQ	GEL

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
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.298	0.036	0.027	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.0641	0.0183	0.0608	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.0212	0.0069	0.0057	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.304	0.038	0.05	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.048	0.0265	0.063	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0	0.00621	0.0442	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00465	0.00806	0.043	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0104	0.0047	0.0057	—	pCi/L	—	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0127	0.00849	0.027	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0115	0.00708	0.021	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0108	0.0108	0.0513	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.00425	0.0043	0.016	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0314	0.015	0.045	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0	0.012	0.024	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0452	0.0121	0.0557	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0672	0.0133	0.05	—	pCi/L	—	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0145	0.007	0.019	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.236	0.029	0.00688	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.212	0.029	0.027	—	pCi/L	—	NQ	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0379	0.0153	0.0646	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.00212	0.0056	0.023	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.24	0.034	0.055	—	pCi/L	—	NQ	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.024	0.0185	0.051	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	2.9	—	—	2	µg/L	J	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	—	4.79	—	—	2	µg/L	J	—	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5	—	—	1.9	µg/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	2200	—	—	0.63	µg/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71	—	—	0.725	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	0.725	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.059	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.084	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17.4	—	—	0.036	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.7	—	—	0.036	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Calcium	<	49.8	—	—	0.038	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	27.9	—	—	0.89	mg/L	—	J-	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	23.4	—	—	0.33	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	23.2	—	—	0.33	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.282	—	—	0.033	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.292	—	—	0.033	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	49	—	—	0.02	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	51.5	—	—	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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.74	—	—	0.085	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.93	—	—	0.085	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Magnesium	<	7.3	—	—	0.0045	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.51	—	—	0.014	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.4	—	—	0.014	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.01	—	—	0.01	SU	H	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.02	—	—	0.01	SU	H	J	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	5.03	—	—	0.05	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	5.27	—	—	0.05	mg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Potassium	<	8.61	—	—	0.00709	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	35.2	—	—	0.032	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	41.7	—	—	0.032	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	34.2	—	—	0.045	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	35.1	—	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Inorg	6010	Sodium	<	44.5	—	—	0.0081	mg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	276	—	—	1	uS/cm	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	276	—	—	1	uS/cm	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	15.4	—	—	0.1	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	15.3	—	—	0.1	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	216	—	—	2.38	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	231	—	—	2.38	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.218	—	—	0.01	mg/L	—	J+	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.274	—	—	0.01	mg/L	—	J+	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	9.73	—	—	0.66	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.436	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.423	—	—	0.01	mg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	1.63	—	—	0.713	mg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	—	2240	—	—	68	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	3750	—	—	68	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Aluminum	<	26.5	—	—	34	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	28.4	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	33.2	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Barium	—	60.09	—	—	0.15	µg/L	—	NQ	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	33.9	—	—	10	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	34.6	—	—	10	µg/L	J	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Boron	<	32	—	—	3	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Chromium	—	2.1	—	—	1	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	3.1	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Chromium	<	5	—	—	0.77	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.5	—	—	1	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Cobalt	<	0.17	—	—	0.01	µg/L	BE	U	GEL

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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	4.6	—	—	3	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Copper	<	2.75	—	—	2.7	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	1270	—	—	18	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	2080	—	—	18	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Iron	<	7.34	—	—	21	µg/L	B	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Lead	—	1.2	—	—	0.5	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Lead	—	2.2	—	—	0.5	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Lead	<	5	—	—	3.4	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	10	—	—	2	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	16	—	—	2	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Manganese	<	4.9	—	—	2.9	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3	—	—	2	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Molybdenum	<	2.01	—	—	0.58	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	1.8	—	—	0.5	µg/L	J	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	2	—	—	0.5	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Nickel	<	5	—	—	0.74	µg/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	92.5	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	95.6	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.26	—	—	0.05	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.35	—	—	0.05	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6020	Uranium	—	1.98	—	—	0.01	µg/L	E	NQ	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	5.9	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.2	—	—	1	µg/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Vanadium	<	2.92	—	—	1.1	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Met	6010	Zinc	<	8.2	—	—	2	µg/L	J	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	11.6	—	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Met	6010	Zinc	<	11.39	—	—	2.79	µg/L	B	J	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.0242	0.0164	0.0237	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0653	0.0182	0.0273	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Americium-241	—	0.02	0.00841	0.00795	—	pCi/L	—	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Americium-241	<	0.007	0.007	0.01	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.37	1.06	4.01	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.2	1.04	4.06	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Cesium-137	<	-1.27	1	3.29	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Cesium-137	<	2.2	3.15	5	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.302	0.953	3.63	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.44	1.01	3.35	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Cobalt-60	<	-1.26	1	3.29	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Cobalt-60	<	-0.3	3.15	5.2	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.319	0.655	2.19	—	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.69	0.768	2.07	—	pCi/L	U	J+, U	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	8.39	1	2.24	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	6.58	0.541	1.12	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	94.8	83.8	315	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	84.6	98.4	293	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.13	7.37	25.6	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-9.1	8.21	28	—	pCi/L	U	U	GELC
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Neptunium-237	<	-14	11.5	20	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00339	0.0162	0.0163	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00549	0.0041	0.0176	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Plutonium-238	<	-0.002692	0.00269	0.02	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Plutonium-238	<	-0.006	0.0055	0.03	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.271	0.0246	0.019	—	pCi/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	1.17	0.0694	0.0205	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Plutonium-239/240	<	0.00806	0.00602	0.02	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Plutonium-239/240	<	0.004	0.0065	0.02	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	24.8	11.9	48	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	12.7	15.8	45.5	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Potassium-40	<	16.6	19	41	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Potassium-40	<	-50	60	99	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.209	0.914	3.48	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.17	1.02	3.87	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	901.1	Sodium-22	<	-0.31	0.95	3.5	—	pCi/L	U	U	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	GS	Sodium-22	<	-3.3	3.5	6.2	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.41	0.269	0.689	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0355	0.0896	0.304	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	10.4	1.6	0.89	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	8.5	1.2	2.4	—	pCi/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
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.15	0.0258	0.0743	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.19	0.0254	0.052	—	pCi/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.22	0.11	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.33	0.07	0.07	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0264	0.0126	0.0626	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0185	0.0098	0.0439	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.05	0.01	0.04	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	<	0.03	0.02	0.06	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0641	0.0164	0.079	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.117	0.0198	0.0553	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.61	0.06	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.12	0.04	0.06	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	169	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	202	—	—	0.73	mg/L	—	NQ	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	197	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	284	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	167	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	3.01	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.03	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.103	—	—	0.066	mg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Bromide	<	0.2	—	—	0.098	mg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Bromide	—	0.146	—	—	0.098	mg/L	J	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Bromide	<	0.05	—	—	0.02	mg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Bromide	<	0.2	—	—	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	50.3	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	25	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	31.5	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	31.7	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	27.5	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	51.2	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	24.5	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	21.3	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	28.7	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	62.1	—	—	0.89	mg/L	—	J-	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	55.9	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	50.4	—	—	0.265	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Chloride	—	39.3	—	—	0.13	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	56.6	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	41	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.448	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.407	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.45	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.411	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.208	—	—	0.014	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.434	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.53	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	85.4	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	83.5	—	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	9.31	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.56	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	7.03	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	7.07	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.29	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	9.53	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.44	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.17	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.48	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.014	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.44	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.04	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.62	—	—	0.0069	mg/L	—	NQ	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.274	—	—	0.014	mg/L	—	J-	GELC
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.072	—	—	—	mg/L	—	NQ	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.051	—	—	0.05	µg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	5.30999994	—	—	0.96	µg/L	—	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.58	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.42	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.5	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.57	—	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	11.5	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Potassium	—	13.3	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	15.4	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	13.6	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	11.7	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	13.2	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	14	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.1	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.5	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	34	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	34.4	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	54.6	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	39.5	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	63	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Sodium	—	79.1	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	74	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	74.1	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	64.4	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	65.5	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	78.3	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	66.6	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	65.9	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	640	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	577	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	634	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	50.2	—	—	0.5	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	18.2	—	—	0.057	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	52.3	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	53.5	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	42.6	—	—	0.062	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	50.7	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	1.4	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	436	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	340	—	—	—	mg/L	—	NQ	RECRAP
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	319	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.22	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	8.35	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.77	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	18.4	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.44	—	—	0.025	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.92	—	—	0.041	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0084	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.88	—	—	0.713	mg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	92.9	—	—	68	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	663	—	—	15	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Arsenic	—	6.42	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Arsenic	—	6.36	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Arsenic	—	5.09999991	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Arsenic	—	7.07	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	5.25	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	92	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Barium	—	54.8	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Barium	—	74.2	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Barium	—	74.5	—	—	0.22	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Barium	—	15.1999998	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	87.7	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Barium	—	54.4	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Barium	—	21.9	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Barium	—	105	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	368	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Boron	—	264	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Boron	—	383	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Met	6010	Boron	—	379	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	383	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Boron	—	257	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Boron	—	393	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Met	6010	Boron	—	395	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.41	—	—	0.1	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Cadmium	<	0.24	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.48	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Cadmium	<	0.27000001	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Chromium	—	1.63999999	—	—	0.78	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.1	—	—	1	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
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Chromium	—	2.03	—	—	0.5	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Cobalt	—	2.04	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Cobalt	—	1.8	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Cobalt	—	2.02999997	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Cobalt	<	5	—	—	0.54	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Cobalt	—	2.19000006	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	15.9	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Copper	—	4	—	—	3	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Copper	—	1.88	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Copper	—	1.61	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	17.4	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Copper	—	16.2	—	—	1.4	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	407	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Iron	—	1010	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Iron	—	5800	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Iron	—	5850	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Iron	—	1040	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	400	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Iron	—	953	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Iron	—	677	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Iron	—	5410	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	397	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Manganese	—	1300	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Manganese	—	2200	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Manganese	—	2210	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Manganese	—	2180	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	1340	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Manganese	—	2190	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Manganese	—	2380	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	11.1	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	6.6	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Molybdenum	—	2.34	—	—	0.2	µg/L	—	NQ	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Molybdenum	—	2.38	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Molybdenum	—	1.59000003	—	—	0.59	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	11.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	6.7	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Molybdenum	—	2.27	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Molybdenum	—	1.88	—	—	0.59	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	8.3	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Nickel	<	8.3	—	—	1	µg/L	—	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Nickel	<	2.4	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Nickel	<	1.97	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Nickel	—	1.53999996	—	—	0.74	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	8.1	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	4.7	—	—	1	µg/L	J	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Nickel	<	2.26	—	—	0.69	µg/L	B	U	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.13000011	—	—	0.74	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Silver	—	0.25	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Silver	<	0.11	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Silver	—	0.39	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Silver	—	1.62	—	—	0.84	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Silver	<	0.14	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	217	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Strontium	—	114	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Met	6010	Strontium	—	127	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	220	—	—	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
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	112	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Met	6010	Strontium	—	126	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.46	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Uranium	<	0.2	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.03	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.47	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Uranium	<	0.23	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.04	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Vanadium	<	2.07	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Vanadium	<	1.46	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.64999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	11.3	—	—	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
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	22.7	—	—	0.61	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.51999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Zinc	—	22.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Zinc	—	9.1	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Zinc	<	7.62	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Zinc	<	7.57	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.69000006	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	25.6	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	10	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Zinc	—	35.9	—	—	0.88	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Zinc	—	6.26000023	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00347	0.0157	0.0307	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0136	0.0127	0.036	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0406	0.011	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.022	0.0089	0.024	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.039	0.011	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.014	0.0179	0.0369	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0355	0.01	0.019	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.033	0.01	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.025	0.0125	0.012	—	pCi/L	LT	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.753	1.1	3.68	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.718	0.807	2.8	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	2.37	1.1	2.2	—	pCi/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.118	0.87	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.939999998	1	3	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.489	1.07	3.93	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	5.23	2.3	2.7	—	pCi/L	—	U	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	-0.079599999	0.790000021	2.799999952	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1.5	3.9	6.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.49	1.01	2.72	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.312	0.858	3.19	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.343	0.93	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.67	0.81	3.2	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.370000005	0.980000019	3.700000048	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.813	1.06	4.23	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.754	0.77	2.7	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.35699999	0.769999981	2.900000095	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	5	8.9	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.906	0.691	2.72	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.403	0.361	1.45	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	0.43	0.38	1.3	—	pCi/L	—	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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0711	0.65	2.5	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross alpha	—	0.35	0.355	1.2	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	13.6	0.762	1.44	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross beta	—	17.9	1.27	3.18	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross beta	—	13.2	0.8	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	12.9	0.725	1.3	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross beta	—	12.3	0.75	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	82.2	127	223	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00471	0.00562	0.0306	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.00663	0.005	0.016	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0215	0.011	0.00858	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.026	0.0155	0.045	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.0186	0.778	2.88	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.358	0.815	2.95	—	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
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.681	0.88	2.9	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.76200002	0.86000014	3.299999952	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.79900003	0.99000001	3.599999905	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.22	1.17	4.56	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.322	1.4	4.7	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	0.0275	0.85000024	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	1	3.75	6.1	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.58	0.997	4.11	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.4	0.861	3.34	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	0.23	0.96	3.3	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.207	0.829999983	3.200000048	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.398999989	1.200000048	3.599999905	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.12	1.11	4.72	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.143	1.4	4.7	—	pCi/L	U	U	GEL

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
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	1.30999994	0.93000007	4	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-3.3	4	7	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-1.47	0.544	2.52	—	pCi/L	U	J+, U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.718	0.386	1.35	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.549	0.514	2.22	—	pCi/L	U	J+, U	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	6.67	0.895	2.01	—	pCi/L	—	—	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	900	Gross beta	—	6.81	0.864	2.68	—	pCi/L	—	J	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	6.27	0.523	1.07	—	pCi/L	—	—	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.6	66	220	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	79.6	71	315	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	97.1	72.2	365	—	pCi/L	U	U	GELC
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.78	6.69	23	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	6.31	7.29	25.3	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	19	12.5	18	—	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
PAO-1	5.89	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-15	7	11	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	7.79	11.8	31.9	—	pCi/L	U	U	GELC
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	14	13	21	—	pCi/L	U	U	PARA
PAO-1	5.89	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	9	10	17	—	pCi/L	U	U	PARA
PAO-1	5.89	6/17/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-3	9	15	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.013	0.00618	0.0178	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.045	0.0155	0.039	—	pCi/L	U	J	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.00536	0.0054	0.029	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0663	0.0128	0.00619	—	pCi/L	—	NQ	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00242	0.00419	0.018	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0016	0.00277	0.0153	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.0022	0.0049	0.024	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.0104	0.00523	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.002	0.006	0.028	—	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
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00371	0.00371	0.0208	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00375	0.00918	0.033	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00535	0.0066	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.01	0.00688	0.02	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00966	0.00765	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0016	0.00277	0.0179	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.0066	0.0091	0.03	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.00522	0.00704	—	pCi/L	—	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	-0.004	0.006	0.03	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	11.1	15.8	34.8	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	31.6	20	26.5	—	pCi/L	UI	R	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	7.17	24	30	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Potassium-40	—	5.6500001	16	41	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	26.5	13	51	—	pCi/L	U	U	GEL

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
PAO-1	5.89	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	78.2	18.2	81.5	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.4	26	43	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	33.0999985	15	38	—	pCi/L	U	U	GEL
PAO-1	5.89	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	30	65	100	—	pCi/L	U	U	PARA
PAO-1	5.89	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.564	0.868	3.19	—	pCi/L	U	U	GELC
PAO-1	5.89	5/12/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.972	0.935	3.14	—	pCi/L	U	U	GELC
PAO-1	5.89	5/28/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.675	0.99	3.5	—	pCi/L	U	U	GEL
PAO-1	5.89	10/30/2001	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.370999992	0.839999974	3.099999905	—	pCi/L	U	U	GEL
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.41	0.269	0.689	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0355	0.0896	0.304	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	10.4	1.6	0.89	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	8.5	1.2	2.4	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.15	0.0258	0.0743	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.19	0.0254	0.052	—	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
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.22	0.11	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.33	0.07	0.07	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0264	0.0126	0.0626	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0185	0.0098	0.0439	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.05	0.01	0.04	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	<	0.03	0.02	0.06	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0641	0.0164	0.079	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.117	0.0198	0.0553	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.61	0.06	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.12	0.04	0.06	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	169	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	202	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	197	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	284	—	—	0.73	mg/L	—	NQ	GEL

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
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	167	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	3.01	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.03	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.103	—	—	0.066	mg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Bromide	<	0.2	—	—	0.098	mg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Bromide	—	0.146	—	—	0.098	mg/L	J	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Bromide	<	0.05	—	—	0.02	mg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Bromide	<	0.2	—	—	—	mg/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	50.3	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	25	—	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	31.5	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	31.7	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	27.5	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	51.2	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	24.5	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	21.3	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	28.7	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	62.1	—	—	0.89	mg/L	—	J-	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	55.9	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	50.4	—	—	0.265	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Chloride	—	39.3	—	—	0.13	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	56.6	—	—	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
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	41	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.448	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.407	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.45	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.411	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.208	—	—	0.014	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.434	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.53	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	85.4	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	83.5	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	9.31	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.56	—	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	7.03	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	7.07	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.29	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	9.53	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.44	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.17	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.48	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.014	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.44	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.04	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.62	—	—	0.0069	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.274	—	—	0.014	mg/L	—	J-	GELC
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.072	—	—	—	mg/L	—	NQ	KA

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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.051	—	—	0.05	µg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	5.30999994	—	—	0.96	µg/L	—	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.58	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.42	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.5	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.57	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	11.5	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Potassium	—	13.3	—	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	15.4	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	13.6	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	11.7	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	13.2	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	14	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.1	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.5	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	34	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	34.4	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	54.6	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	39.5	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	63	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Sodium	—	79.1	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	74	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	74.1	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	64.4	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	65.5	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	78.3	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	66.6	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	65.9	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	640	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	577	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	634	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	50.2	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	18.2	—	—	0.057	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	52.3	—	—	0.97	mg/L	—	NQ	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	53.5	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	42.6	—	—	0.062	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	50.7	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	1.4	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	436	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	340	—	—	—	mg/L	—	NQ	RECRAP
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	319	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.22	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	8.35	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.77	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	18.4	—	—	0.66	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.44	—	—	0.025	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.92	—	—	0.041	mg/L	—	NQ	GEL

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
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0084	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.88	—	—	0.713	mg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	92.9	—	—	68	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	663	—	—	15	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Arsenic	—	6.42	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Arsenic	—	6.36	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Arsenic	—	5.09999991	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Arsenic	—	7.07	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	5.25	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	92	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Barium	—	54.8	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Barium	—	74.2	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Barium	—	74.5	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Barium	—	15.1999998	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	87.7	—	—	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
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Barium	—	54.4	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Barium	—	21.9	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Barium	—	105	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	368	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Boron	—	264	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Boron	—	383	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Met	6010	Boron	—	379	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	383	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Boron	—	257	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Boron	—	393	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Met	6010	Boron	—	395	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.41	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Cadmium	<	0.24	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.48	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Cadmium	<	0.27000001	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Chromium	—	1.63999999	—	—	0.78	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.1	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Chromium	—	2.03	—	—	0.5	µg/L	B	J	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Cobalt	—	2.04	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Cobalt	—	1.8	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Cobalt	—	2.02999997	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Cobalt	<	5	—	—	0.54	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Cobalt	—	2.19000006	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	15.9	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Copper	—	4	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Copper	—	1.88	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Copper	—	1.61	—	—	1.4	µg/L	B	J	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	17.4	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Copper	—	16.2	—	—	1.4	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	407	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Iron	—	1010	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Iron	—	5800	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Iron	—	5850	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Iron	—	1040	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	400	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Iron	—	953	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Iron	—	677	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Iron	—	5410	—	—	21	µg/L	—	NQ	GEL

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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	397	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Manganese	—	1300	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Manganese	—	2200	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Manganese	—	2210	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Manganese	—	2180	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	1340	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Manganese	—	2190	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Manganese	—	2380	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	11.1	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	6.6	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Molybdenum	—	2.34	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Molybdenum	—	2.38	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Molybdenum	—	1.59000003	—	—	0.59	µg/L	B	J	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	11.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	6.7	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Molybdenum	—	2.27	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Molybdenum	—	1.88	—	—	0.59	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	8.3	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Nickel	<	8.3	—	—	1	µg/L	—	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Nickel	<	2.4	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Nickel	<	1.97	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Nickel	—	1.53999996	—	—	0.74	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	8.1	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	4.7	—	—	1	µg/L	J	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Nickel	<	2.26	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.13000011	—	—	0.74	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Silver	—	0.25	—	—	0.2	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Silver	<	0.11	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Silver	—	0.39	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Silver	—	1.62	—	—	0.84	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Silver	<	0.14	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	217	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Strontium	—	114	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Met	6010	Strontium	—	127	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	220	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	112	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Met	6010	Strontium	—	126	—	—	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.46	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Uranium	<	0.2	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.03	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.47	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Uranium	<	0.23	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.04	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Vanadium	<	2.07	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Vanadium	<	1.46	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.64999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	22.7	—	—	0.61	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.51999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Zinc	—	22.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Zinc	—	9.1	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Zinc	<	7.62	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Zinc	<	7.57	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.690000006	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	25.6	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	10	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Zinc	—	35.9	—	—	0.88	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Zinc	—	6.260000023	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00347	0.0157	0.0307	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0136	0.0127	0.036	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0406	0.011	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.022	0.0089	0.024	—	pCi/L	U	U	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.039	0.011	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.014	0.0179	0.0369	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0355	0.01	0.019	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.033	0.01	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.025	0.0125	0.012	—	pCi/L	LT	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.753	1.1	3.68	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.718	0.807	2.8	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	2.37	1.1	2.2	—	pCi/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.118	0.87	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.939999998	1	3	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.489	1.07	3.93	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	5.23	2.3	2.7	—	pCi/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	-0.079599999	0.790000021	2.799999952	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1.5	3.9	6.6	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.49	1.01	2.72	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.312	0.858	3.19	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.343	0.93	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.67	0.81	3.2	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.370000005	0.980000019	3.700000048	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.813	1.06	4.23	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.754	0.77	2.7	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.35699999	0.769999981	2.900000095	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	5	8.9	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.906	0.691	2.72	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.403	0.361	1.45	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	0.43	0.38	1.3	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0711	0.65	2.5	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross alpha	—	0.35	0.355	1.2	—	pCi/L	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	13.6	0.762	1.44	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross beta	—	17.9	1.27	3.18	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross beta	—	13.2	0.8	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	12.9	0.725	1.3	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross beta	—	12.3	0.75	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	82.2	127	223	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	56.9	79.5	244	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	901.1	Gross gamma	—	216	8	15	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	59.8	50.9	248	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	187	9.5	23	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	9.54	8.39	25.9	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	1.39	6.7	10.9	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Rad	GS	Neptunium-237	—	12	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-33	11.5	20	—	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
PAO-4	1.97	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	6	10	16	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	9.42	8.5	30.4	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-1	11.5	19	—	pCi/L	U	U	PARA
PAO-4	1.97	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-5	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	12.8	5	8.2	—	pCi/L	SI	R	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00235	0.00332	0.0226	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00416	0.0164	0.043	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0059	0.0044	0.015	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00187	0.0032	0.014	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00977	0.0049	0.0066	—	pCi/L	—	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00307	0.00307	0.0294	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00235	0.0041	0.017	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0	1	0.0088	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.015	0.015	0.058	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.124	0.0186	0.0263	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.191	0.0235	0.036	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.02	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.19	0.02	0.01	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.07	0.01	0.05	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.165	0.0238	0.0343	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.11	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.18	0.04	0.01	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	-19.8	15.5	48.4	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	42.5	15.1	28.4	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Potassium-40	—	3.67	28	32	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	5.57	24	29	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	0	19	35	—	pCi/L	U	U	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.2	13	54.9	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	80.9	25	27	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	0	19	26	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-20	65	110	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	1.44	1.24	4.39	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.147	0.86	2.96	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.366	1	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.826	0.88	3.3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.22	0.810000002	3.400000095	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	2.36	0.988	4.43	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.168	0.83	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.174	0.670000017	2.599999905	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-2.4	4.4	7.5	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.53	0.233	0.534	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.484	0.0696	0.205	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.89	0.14	0.083	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.877	0.15	0.091	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.958	0.27	0.8	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	1.23	0.183	0.39	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.7	0.12	0.08	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	1.07	0.3	0.81	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.5	0.75	2.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.275	0.0347	0.0631	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.131	0.0195	0.075	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0914	0.019	0.033	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.121	0.022	0.034	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0392	0.013	0.029999999	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.239	0.0278	0.0494	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.128	0.02	0.031	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.076	0.016000001	0.022	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	-0.009	0.0095	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0224	0.0107	0.0533	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0207	0.00896	0.046	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.00278	0.0028	0.0075	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0057	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00562	0.008	0.029999999	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0146	0.0078	0.0417	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0061	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0088	0.0051	0.008	—	pCi/L	—	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.004	0.011	0.058	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.203	0.0283	0.0672	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0573	0.0127	0.053	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0554	0.014	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0678	0.016	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0308	0.01	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.182	0.0233	0.0526	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.067	0.014	0.02	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0175	0.0084	0.022	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.024	0.019	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	—	4.56	—	—	3.06	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	<	10.4	—	—	—	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	10	—	—	0.87	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	156	—	—	2.2	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.41	—	—	0.25	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Voa	8260	Chloroform	<	1	—	—	0.36	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	180	—	—	0.17	µg/L	U	U	GEL

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
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	5	—	—	—	µg/L	U	U	PARA
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	296	—	—	0.725	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	0.725	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.059	—	—	0.01	mg/L	—	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.176	—	—	0.01	mg/L	—	J	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.116	—	—	0.066	mg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.13	—	—	0.066	mg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Calcium	—	47.6	—	—	0.036	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	49.4	—	—	0.036	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	46.9	—	—	0.036	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	42.6	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	45.8	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Calcium	—	44.4	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Calcium	—	44.6	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	33.3	—	—	0.89	mg/L	—	J-	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Chloride	—	44.4	—	—	0.33	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Chloride	—	44.1	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Chloride	—	42.1	—	—	0.265	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	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
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Chloride	—	41.5	—	—	0.161	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Chloride	—	41.7	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Chloride	—	41.8	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Chloride	—	42.4	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.302	—	—	0.033	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.319	—	—	0.033	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.3	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.293	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.24	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Fluoride	—	0.242	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.243	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	169	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	175	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	165	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	151	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	200.7	Hardness	—	159	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	12.1	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	12.5	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.6	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	10.9	—	—	0.0052	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.8	—	—	0.0052	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.7	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.6	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.2	—	—	0.07	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.8	—	—	0.003	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
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.06	—	—	0.07	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.23	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.003	—	—	0.003	mg/L	U	R	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.42	—	—	0.03	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.54	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.93	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.84	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.282	—	—	0.05	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.39	—	—	0.01	SU	H	J	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.55	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	150.1	pH	—	6.85	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	150.1	pH	—	5.71	—	—	0.01	SU	H	J	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	150.1	pH	—	7.19	—	—	—	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	150.1	pH	—	7.2	—	—	—	SU	H	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Potassium	—	8.94	—	—	0.05	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	9.28	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	8.37	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	7.91	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.5	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Potassium	—	8.72	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.65	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	53.3	—	—	0.032	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.2	—	—	0.032	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	52.1	—	—	0.032	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.16	—	—	0.032	mg/L	J	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.3	—	—	0.0212	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.3	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Sodium	—	44.9	—	—	0.045	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.045	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	47.8	—	—	0.045	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	41.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	45	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Sodium	—	47	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	578	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	470	—	—	1	uS/cm	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	553	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9050	Specific Conductance	—	1.5	—	—	1	uS/cm	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	555	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Sulfate	—	23	—	—	0.1	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	23.1	—	—	0.1	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	21.4	—	—	0.057	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Sulfate	—	20.2	—	—	0.965	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Sulfate	—	20.6	—	—	0.965	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Sulfate	—	22.3	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Sulfate	—	22.5	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	358	—	—	2.38	mg/L	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	14	—	—	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
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	329	—	—	3.07	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	345	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	351	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.125	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.276	—	—	0.01	mg/L	—	JN-	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.37	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.48	—	—	0.074	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.273	—	—	0.074	mg/L	—	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.13	—	—	0.01	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.868	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.08	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.033	—	—	0.01	mg/L	J	UJ	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Barium	—	114	—	—	1	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Barium	—	118	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Barium	—	107	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Barium	—	97.5	—	—	0.22	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Barium	—	106	—	—	0.22	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Barium	—	104	—	—	0.222	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Barium	—	104	—	—	0.222	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Boron	—	235	—	—	10	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Boron	—	244	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Boron	—	216	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Boron	—	202	—	—	4.9	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Boron	—	216	—	—	4.9	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Boron	—	224	—	—	4.88	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Boron	—	221	—	—	4.88	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Cobalt	<	2.12	—	—	0.54	µg/L	B	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Cobalt	—	1.93	—	—	0.54	µg/L	B	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Cobalt	<	6.11	—	—	0.541	µg/L	—	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Cobalt	—	5.89	—	—	0.541	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.8	—	—	2	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.3	—	—	0.1	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6020	Molybdenum	<	0.1	—	—	0.1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	1.68	—	—	1.4	µg/L	B	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Molybdenum	<	1.4	—	—	1.4	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Molybdenum	<	3.28	—	—	1.43	µg/L	B	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Molybdenum	—	4.06	—	—	1.43	µg/L	B	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6020	Nickel	—	9.9	—	—	0.5	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6020	Nickel	—	9.5	—	—	0.5	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Nickel	—	8.6	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Nickel	—	8.99	—	—	0.69	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Nickel	—	8.97	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Nickel	—	11.2	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Nickel	—	10.7	—	—	0.69	µg/L	—	—	GELC
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.41	0.269	0.689	—	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
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0355	0.0896	0.304	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	10.4	1.6	0.89	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	905.0	Strontium-90	—	8.5	1.2	2.4	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.15	0.0258	0.0743	—	pCi/L	—	J	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.19	0.0254	0.052	—	pCi/L	—	—	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.22	0.11	0.03	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.33	0.07	0.07	—	pCi/L	—	NQ	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0264	0.0126	0.0626	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0185	0.0098	0.0439	—	pCi/L	U	U	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.05	0.01	0.04	—	pCi/L	—	NQ	GEL
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-235/236	<	0.03	0.02	0.06	—	pCi/L	U	U	PARA
PAO-2	6.06	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0641	0.0164	0.079	—	pCi/L	U	U	GELC
PAO-2	6.06	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.117	0.0198	0.0553	—	pCi/L	—	J	GELC
PAO-2	6.06	10/30/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.61	0.06	0.03	—	pCi/L	—	NQ	GEL

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
PAO-2	6.06	6/21/2001	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.12	0.04	0.06	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	169	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	202	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	197	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	284	—	—	0.73	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	240	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	167	—	—	0.725	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	3.01	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.03	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.103	—	—	0.066	mg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Bromide	<	0.2	—	—	0.098	mg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Bromide	—	0.146	—	—	0.098	mg/L	J	J	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Bromide	<	0.05	—	—	0.02	mg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Bromide	<	0.2	—	—	—	mg/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	50.3	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	25	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Calcium	—	31.5	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Calcium	—	31.7	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Calcium	<	27.5	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	51.2	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	24.5	—	—	0.036	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Calcium	—	21.3	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Calcium	<	28.7	—	—	0.038	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	62.1	—	—	0.89	mg/L	—	J-	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	55.9	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	50.4	—	—	0.265	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Chloride	—	43	—	—	0.16	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Chloride	—	39.3	—	—	0.13	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Chloride	—	56.6	—	—	0.33	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Chloride	—	41	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.448	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.407	—	—	0.03	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Fluoride	—	0.45	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Fluoride	—	0.411	—	—	0.055	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.208	—	—	0.014	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.434	—	—	0.033	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Fluoride	—	0.53	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	145	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	85.4	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	145	—	—	0.02	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	83.5	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	9.31	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.56	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Magnesium	—	7.03	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Magnesium	—	7.07	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	6.29	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	9.53	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.44	—	—	0.085	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.17	—	—	0.0052	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Magnesium	—	6.48	—	—	0.0045	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.014	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.44	—	—	0.03	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.04	—	—	0.01	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	1.62	—	—	0.0069	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.274	—	—	0.014	mg/L	—	J-	GELC
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.072	—	—	—	mg/L	—	NQ	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.051	—	—	0.05	µg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	1.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	5.30999994	—	—	0.96	µg/L	—	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.58	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	150.1	pH	—	6.42	—	—	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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.5	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Inorg	79—4	pH	—	6.8	—	—	—	SU	—	NQ	HUFFMAN
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	150.1	pH	—	6.57	—	—	0.01	SU	H	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	11.5	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Potassium	—	13.3	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Potassium	—	15.4	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	13.6	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	11.7	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	13.2	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Potassium	—	15.3	—	—	0.017	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Potassium	—	14	—	—	0.0071	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.1	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	57.5	—	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	34	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Silicon Dioxide	—	34.4	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	54.6	—	—	0.032	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	39.5	—	—	0.0098	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	63	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	6010	Sodium	—	79.1	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	6010	Sodium	—	74	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	6010	Sodium	—	74.1	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	64.4	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	65.5	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	78.3	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	66.6	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	65.9	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	640	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	577	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	634	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	50.2	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	18.2	—	—	0.057	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	52.3	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	53.5	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	42.6	—	—	0.062	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	50.7	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	1.4	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	436	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	340	—	—	—	mg/L	—	NQ	RECRAP
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	319	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.22	—	—	0.01	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	8.35	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.77	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	18.4	—	—	0.66	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.44	—	—	0.025	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.92	—	—	0.041	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0084	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.88	—	—	0.713	mg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	92.9	—	—	68	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	663	—	—	15	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Arsenic	—	6.42	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Arsenic	—	6.36	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Arsenic	—	5.09999991	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Arsenic	—	7.07	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	5.25	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	92	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Barium	—	54.8	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Barium	—	74.2	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Barium	—	74.5	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Barium	—	15.1999998	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	87.7	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Barium	—	54.4	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Barium	—	21.9	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Barium	—	105	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	368	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Boron	—	264	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Boron	—	383	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Met	6010	Boron	—	379	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	383	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Boron	—	257	—	—	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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Boron	—	393	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Met	6010	Boron	—	395	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.41	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Cadmium	<	0.24	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.48	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Cadmium	<	0.27000001	—	—	0.05	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Chromium	—	1.63999999	—	—	0.78	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.1	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Chromium	—	2.03	—	—	0.5	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.78	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Cobalt	—	2.04	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Cobalt	—	1.8	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Cobalt	—	2.02999997	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Cobalt	<	5	—	—	0.54	µg/L	U	U	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Cobalt	—	2.19000006	—	—	0.018	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	15.9	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Copper	—	4	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Copper	—	1.88	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Copper	—	1.61	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	17.4	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Copper	—	16.2	—	—	1.4	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Copper	<	5	—	—	2.7	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	407	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Iron	—	1010	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Iron	—	5800	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Iron	—	5850	—	—	13	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Iron	—	1040	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	400	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Iron	—	953	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Iron	—	677	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Iron	—	5410	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	397	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Manganese	—	1300	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Manganese	—	2200	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Manganese	—	2210	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Manganese	—	2180	—	—	2.9000001	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	1340	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Manganese	—	2190	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Manganese	—	2380	—	—	2.9000001	µg/L	—	NQ	GEL

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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	11.1	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	6.6	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Molybdenum	—	2.34	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Molybdenum	—	2.38	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Molybdenum	—	1.59000003	—	—	0.59	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	11.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	6.7	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Molybdenum	—	2.27	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Molybdenum	—	1.88	—	—	0.59	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	8.3	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Nickel	<	8.3	—	—	1	µg/L	—	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Nickel	<	2.4	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Nickel	<	1.97	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Nickel	—	1.539999 6	—	—	0.74	µg/L	B	J	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	8.1	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	4.7	—	—	1	µg/L	J	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Nickel	<	2.26	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.13000011	—	—	0.74	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Silver	—	0.25	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Silver	<	0.11	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Silver	—	0.39	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Silver	—	1.62	—	—	0.84	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Silver	<	0.14	—	—	0.1	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	217	—	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Strontium	—	114	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Met	6010	Strontium	—	127	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	220	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	112	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Met	6010	Strontium	—	126	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.46	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Uranium	<	0.2	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.03	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.47	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Uranium	<	0.23	—	—	0.018	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.04	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Vanadium	<	2.07	—	—	0.61	µg/L	B	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Vanadium	<	1.46	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.64999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	22.7	—	—	0.61	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.51999998	—	—	1.1	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Zinc	—	22.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Zinc	—	9.1	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Zinc	<	7.62	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Zinc	<	7.57	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.690000006	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	25.6	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	10	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Zinc	—	35.9	—	—	0.88	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Zinc	—	6.26000023	—	—	2.8	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00347	0.0157	0.0307	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0136	0.0127	0.036	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0406	0.011	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.022	0.0089	0.024	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.039	0.011	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.014	0.0179	0.0369	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0355	0.01	0.019	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.033	0.01	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.025	0.0125	0.012	—	pCi/L	LT	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.753	1.1	3.68	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.718	0.807	2.8	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	2.37	1.1	2.2	—	pCi/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.118	0.87	3	—	pCi/L	U	U	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.939999998	1	3	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.489	1.07	3.93	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	5.23	2.3	2.7	—	pCi/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	-0.079599999	0.790000021	2.799999952	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1.5	3.9	6.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.49	1.01	2.72	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.312	0.858	3.19	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.343	0.93	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.67	0.81	3.2	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.370000005	0.980000019	3.700000048	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.813	1.06	4.23	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.754	0.77	2.7	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.35699999	0.769999981	2.900000095	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	5	8.9	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.906	0.691	2.72	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.403	0.361	1.45	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	0.43	0.38	1.3	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0711	0.65	2.5	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross alpha	—	0.35	0.355	1.2	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	13.6	0.762	1.44	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross beta	—	17.9	1.27	3.18	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross beta	—	13.2	0.8	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	12.9	0.725	1.3	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross beta	—	12.3	0.75	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	82.2	127	223	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	56.9	79.5	244	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	901.1	Gross gamma	—	216	8	15	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	59.8	50.9	248	—	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
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	187	9.5	23	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	9.54	8.39	25.9	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	1.39	6.7	10.9	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Rad	GS	Neptunium-237	—	12	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-33	11.5	20	—	pCi/L	U	U	PARA
PAO-4	1.97	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	6	10	16	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	9.42	8.5	30.4	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-1	11.5	19	—	pCi/L	U	U	PARA
PAO-4	1.97	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-5	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	12.8	5	8.2	—	pCi/L	SI	R	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00235	0.00332	0.0226	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00416	0.0164	0.043	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0059	0.0044	0.015	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00187	0.0032	0.014	—	pCi/L	U	U	GEL

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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00977	0.0049	0.0066	—	pCi/L	—	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00307	0.00307	0.0294	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00235	0.0041	0.017	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0	1	0.0088	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.015	0.015	0.058	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.124	0.0186	0.0263	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.191	0.0235	0.036	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.02	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.19	0.02	0.01	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.07	0.01	0.05	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.165	0.0238	0.0343	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.11	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.18	0.04	0.01	—	pCi/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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	-19.8	15.5	48.4	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	42.5	15.1	28.4	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Potassium-40	—	3.67	28	32	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	5.57	24	29	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	0	19	35	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.2	13	54.9	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	80.9	25	27	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	0	19	26	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-20	65	110	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	1.44	1.24	4.39	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.147	0.86	2.96	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.366	1	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.826	0.88	3.3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.22	0.810000002	3.400000095	—	pCi/L	U	U	GEL

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
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	2.36	0.988	4.43	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.168	0.83	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.174	0.6700000 17	2.59999 9905	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-2.4	4.4	7.5	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.53	0.233	0.534	—	pCi/L	—	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.484	0.0696	0.205	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.89	0.14	0.083	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.877	0.15	0.091	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.958	0.27	0.8	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	1.23	0.183	0.39	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.7	0.12	0.08	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	1.07	0.3	0.81	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.5	0.75	2.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.275	0.0347	0.0631	—	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
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.131	0.0195	0.075	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0914	0.019	0.033	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.121	0.022	0.034	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0392	0.013	0.029999999	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.239	0.0278	0.0494	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.128	0.02	0.031	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.076	0.016000001	0.022	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	-0.009	0.0095	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0224	0.0107	0.0533	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0207	0.00896	0.046	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.00278	0.0028	0.0075	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0057	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00562	0.008	0.029999999	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0146	0.0078	0.0417	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0061	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0088	0.0051	0.008	—	pCi/L	—	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.004	0.011	0.058	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.203	0.0283	0.0672	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0573	0.0127	0.053	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0554	0.014	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0678	0.016	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0308	0.01	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.182	0.0233	0.0526	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.067	0.014	0.02	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0175	0.0084	0.022	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.024	0.019	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	—	4.56	—	—	3.06	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	<	10.4	—	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	10	—	—	0.87	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	156	—	—	2.2	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.41	—	—	0.25	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Voa	8260	Chloroform	<	1	—	—	0.36	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	180	—	—	0.17	µg/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	5	—	—	—	µg/L	U	U	PARA
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	296	—	—	0.725	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	0.725	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	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
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.059	—	—	0.01	mg/L	—	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.176	—	—	0.01	mg/L	—	J	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.116	—	—	0.066	mg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.13	—	—	0.066	mg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Calcium	—	47.6	—	—	0.036	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	49.4	—	—	0.036	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	46.9	—	—	0.036	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	42.6	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	45.8	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Calcium	—	44.4	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Calcium	—	44.6	—	—	0.00554	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
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	33.3	—	—	0.89	mg/L	—	J-	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Chloride	—	44.4	—	—	0.33	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Chloride	—	44.1	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Chloride	—	42.1	—	—	0.265	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Chloride	—	41.5	—	—	0.161	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Chloride	—	41.7	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Chloride	—	41.8	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Chloride	—	42.4	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.302	—	—	0.033	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.319	—	—	0.033	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.3	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.293	—	—	0.0553	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.24	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Fluoride	—	0.242	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.243	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	169	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	175	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	165	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	151	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	200.7	Hardness	—	159	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	12.1	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	12.5	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.6	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	10.9	—	—	0.0052	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.8	—	—	0.0052	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.7	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.6	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.2	—	—	0.07	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.8	—	—	0.003	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.06	—	—	0.07	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.23	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.003	—	—	0.003	mg/L	U	R	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.42	—	—	0.03	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.54	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.93	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.84	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.282	—	—	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
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.39	—	—	0.01	SU	H	J	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.55	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	150.1	pH	—	6.85	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	150.1	pH	—	5.71	—	—	0.01	SU	H	J	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	150.1	pH	—	7.19	—	—	—	SU	H	J	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	150.1	pH	—	7.2	—	—	—	SU	H	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Potassium	—	8.94	—	—	0.05	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	9.28	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	8.37	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	7.91	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.5	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Potassium	—	8.72	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.65	—	—	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
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	53.3	—	—	0.032	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.2	—	—	0.032	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	52.1	—	—	0.032	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.16	—	—	0.032	mg/L	J	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.3	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.3	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Sodium	—	44.9	—	—	0.045	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.045	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	47.8	—	—	0.045	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	41.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	45	—	—	0.0144	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
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Sodium	—	47	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	578	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	470	—	—	1	uS/cm	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	553	—	—	1	uS/cm	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9050	Specific Conductance	—	1.5	—	—	1	uS/cm	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	555	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Sulfate	—	23	—	—	0.1	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	23.1	—	—	0.1	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	21.4	—	—	0.057	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Sulfate	—	20.2	—	—	0.965	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Sulfate	—	20.6	—	—	0.965	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
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Sulfate	—	22.3	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Sulfate	—	22.5	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	358	—	—	2.38	mg/L	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	14	—	—	2.38	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	329	—	—	3.07	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	345	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	351	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.125	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.276	—	—	0.01	mg/L	—	JN-	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	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
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.37	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.48	—	—	0.074	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.273	—	—	0.074	mg/L	—	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.13	—	—	0.01	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.868	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.08	—	—	0.01	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.033	—	—	0.01	mg/L	J	UJ	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Barium	—	114	—	—	1	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Barium	—	118	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Barium	—	107	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Barium	—	97.5	—	—	0.22	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Barium	—	106	—	—	0.22	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Barium	—	104	—	—	0.222	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
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Barium	—	104	—	—	0.222	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Boron	—	235	—	—	10	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Boron	—	244	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Boron	—	216	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Boron	—	202	—	—	4.9	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Boron	—	216	—	—	4.9	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Boron	—	224	—	—	4.88	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Boron	—	221	—	—	4.88	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Cobalt	<	2.12	—	—	0.54	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
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Cobalt	—	1.93	—	—	0.54	µg/L	B	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Cobalt	<	6.11	—	—	0.541	µg/L	—	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Cobalt	—	5.89	—	—	0.541	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.8	—	—	2	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.3	—	—	0.1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6020	Molybdenum	<	0.1	—	—	0.1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	1.68	—	—	1.4	µg/L	B	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Molybdenum	<	1.4	—	—	1.4	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Molybdenum	<	3.28	—	—	1.43	µg/L	B	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Molybdenum	—	4.06	—	—	1.43	µg/L	B	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6020	Nickel	—	9.9	—	—	0.5	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6020	Nickel	—	9.5	—	—	0.5	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Nickel	—	8.6	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Nickel	—	8.99	—	—	0.69	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Nickel	—	8.97	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Nickel	—	11.2	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Nickel	—	10.7	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Strontium	—	243	—	—	1	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Strontium	—	252	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Strontium	—	242	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Strontium	—	219	—	—	0.18	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Strontium	—	236	—	—	0.18	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Strontium	—	233	—	—	0.178	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Strontium	—	234	—	—	0.178	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6020	Uranium	—	2.9	—	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.8	—	—	0.05	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6020	Uranium	—	2.74	—	—	0.02	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6020	Uranium	—	2.5	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6020	Uranium	—	2.97	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6020	Uranium	—	2.94	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.8	—	—	1	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Vanadium	—	4.1	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Vanadium	—	3.3	—	—	1	µg/L	J	JN-	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Vanadium	<	3.32	—	—	0.61	µg/L	B	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	3.58	—	—	0.61	µg/L	B	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Vanadium	<	5.29	—	—	0.606	µg/L	—	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Vanadium	—	5.14	—	—	0.606	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00319	0.00425	0.0478	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0109	0.00472	0.0229	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.029	0.0144	0.056	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.013	0.00702	0.031	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0277	0.00841	0.038	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.0089	0.00892	0.039	—	pCi/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00774	0.00475	0.028	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.87	0.987	4.13	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.735	1.69	5.86	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	7.1	1.1	4.3	—	pCi/L	UI	R	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	-0.37	0.97	3.46	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.1	1.63	5.97	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.01	1.37	4.2	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.00834	1.47	5.44	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.872	1.56	5.6	—	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
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.04	0.962	3.59	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.19	0.99	3.94	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.974	1.89	6.51	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.268	1.25	4.65	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	900	Gross alpha	—	2.04	0.879	2.43	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.763	0.744	2.42	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	2.5	0.556	1.3	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.285	0.247	1.58	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	3.2	0.505	1.32	—	pCi/L	—	JN+	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	2.3	0.585	1.81	—	pCi/L	—	J	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	900	Gross beta	—	8.45	0.609	1.24	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.92	0.546	1.22	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	900	Gross beta	—	9.57	1.03	3.17	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	900	Gross beta	—	0.334	0.568	2.32	—	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
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	900	Gross beta	—	10.7	0.969	2.61	—	pCi/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	900	Gross beta	—	9.21	0.828	2.4	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	91.1	60.6	226	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.4	63.1	270	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	79.3	86.3	240	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	73.2	91.7	277	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	109	229	356	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	82.5	80.5	287	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.82	8.14	27.6	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	1.98	6.19	21.8	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.59	6.47	22.4	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	1.38	4.03	13.5	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	8.84	11.6	40.2	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-0.781	5.13	15.9	—	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
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00851	0.00383	0.0164	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00202	0.0194	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0174	0.0113	0.036	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0.111	0.0187	0.04	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	RE	FB	Rad	H300	Plutonium-238	—	-0.0406	0.017	0.076	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00303	0.0194	0.047	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	0.00912	0.0158	0.047	—	pCi/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0141	0.0126	0.028	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.0034	0.0191	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00455	0.0226	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0122	0.00579	0.031	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00777	0.00674	0.034	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0333	0.0133	0.049	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.00608	0.00745	0.049	—	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
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	-0.00201	0.0104	0.025	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	15.4	15.4	60	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	49.8	11.7	58.2	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	46.1	11.6	46.1	—	pCi/L	U	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	0.153	11.3	35	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	69.8	28.7	44.8	—	pCi/L	UI	R	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	11.4	12.9	51.2	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.306	1.07	4.01	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.619	1.66	6.03	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.29	1.03	3.84	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	0.0377	1.09	3.85	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.878	1.78	6.85	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.17	1.08	4.48	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0686	0.0938	0.319	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.146	0.0994	0.33	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0522	0.0714	0.328	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.146	0.107	0.455	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.263	0.0834	0.268	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0929	0.0451	0.169	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	0.0295	0.0425	0.183	—	pCi/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.26	0.0965	0.0559	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.43	0.111	0.0666	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.83	0.11	0.072	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.00459	0.00796	0.07	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.56	0.0783	0.056	—	pCi/L	—	J	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.19	0.0908	0.051	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0298	0.0145	0.0471	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0789	0.0199	0.0562	—	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
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.13	0.0186	0.044	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0138	0.00655	0.043	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.153	0.0181	0.034	—	pCi/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.143	0.0224	0.029	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.937	0.0754	0.0594	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.04	0.0866	0.0708	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.12	0.0744	0.051	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-238	—	-0.00689	0.0046	0.05	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	1.01	0.0569	0.04	—	pCi/L	—	J	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.892	0.0719	0.032	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Voa	8260	Acetone	—	3.72	—	—	1.25	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	6/24/2004	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
POI-4	159	8/20/2003	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/19/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	2	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	—	3.56	—	—	2	µg/L	J	J	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/19/2003	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	215	—	—	0.725	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	227	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	225	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	227	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	237	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	146	—	—	0.73	mg/L	—	NQ	GEL

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
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	221	—	—	0.725	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	26.6	—	—	1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	23.1	—	—	1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Calcium	—	25.4	—	—	0.036	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Calcium	—	31.4	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Calcium	—	32.1	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Calcium	—	32.4	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Calcium	—	33.3	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Calcium	—	31.9	—	—	0.0055	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Calcium	—	26	—	—	0.036	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Calcium	—	32.2	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Calcium	—	31.3	—	—	0.0055	mg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	65.5	—	—	0.045	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	78.3	—	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	6010	Sodium	—	66.6	—	—	0.014	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	6010	Sodium	—	65.9	—	—	0.0081	mg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	640	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	9050	Specific Conductance	—	577	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	634	—	—	1	uS/cm	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	50.2	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	18.2	—	—	0.057	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Inorg	300	Sulfate	—	52.3	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Inorg	300	Sulfate	—	53.5	—	—	0.97	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	42.6	—	—	0.062	mg/L	J	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	50.7	—	—	0.5	mg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Inorg	300	Sulfate	—	1.4	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	436	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	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
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Inorg	160.1	Total Dissolved Solids	—	340	—	—	—	mg/L	—	NQ	RECRAP
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	319	—	—	2.38	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.22	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	8.35	—	—	0.05	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	3.77	—	—	0.01	mg/L	—	J+	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	18.4	—	—	0.66	mg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.44	—	—	0.025	mg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	8.92	—	—	0.041	mg/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	0.0084	—	—	—	mg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	2.04	—	—	0.01	mg/L	—	—	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	2.88	—	—	0.713	mg/L	J	—	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Aluminum	—	92.9	—	—	68	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Aluminum	—	663	—	—	15	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	34	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Arsenic	—	6.1	—	—	6	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Arsenic	—	6.42	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Arsenic	—	6.36	—	—	2.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Arsenic	—	5.09999991	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Arsenic	—	7.07	—	—	2.2	µg/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Arsenic	—	5.25	—	—	0.15	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Barium	—	92	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Barium	—	54.8	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Barium	—	74.2	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Barium	—	74.5	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Barium	—	15.1999998	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Barium	—	87.7	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Barium	—	54.4	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Barium	—	21.9	—	—	0.22	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Barium	—	105	—	—	0.16	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Boron	—	368	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Boron	—	264	—	—	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
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Boron	—	383	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	F	CS	NA	Met	6010	Boron	—	379	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Boron	—	383	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Boron	—	257	—	—	10	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Boron	—	393	—	—	3	µg/L	B	J	GEL
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Met	6010	Boron	—	395	—	—	—	µg/L	B	J	KA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Cadmium	—	0.41	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Cadmium	<	0.04	—	—	0.04	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Cadmium	<	0.239999995	—	—	0.050000001	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Cadmium	—	0.48	—	—	0.1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Cadmium	<	0.1	—	—	0.1	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Cadmium	<	1	—	—	0.04	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Cadmium	<	0.2700000 11	—	—	0.0500000 01	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Chromium	<	5	—	—	0.5	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Chromium	—	1.6399999 86	—	—	0.7799999 71	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Chromium	—	1.1	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Chromium	—	2.03	—	—	0.5	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Chromium	<	5	—	—	0.7799999 71	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Cobalt	—	2.04	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Cobalt	—	1.8	—	—	0.54	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Cobalt	—	2.0299999 71	—	—	0.0179999 99	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Cobalt	<	5	—	—	0.54	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Cobalt	—	2.1900000 57	—	—	0.0179999 99	µg/L	BE	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Copper	—	15.9	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Copper	—	4	—	—	3	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Copper	—	1.88	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Copper	—	1.61	—	—	1.4	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Copper	<	5	—	—	2.700000048	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Copper	—	17.4	—	—	3	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4.2	—	—	3	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Copper	—	16.2	—	—	1.4	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Copper	<	5	—	—	2.700000048	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Iron	—	407	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Iron	—	1010	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Iron	—	5800	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Iron	—	5850	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Iron	—	1040	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Iron	—	400	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Iron	—	953	—	—	18	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Iron	—	677	—	—	13	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Iron	—	5410	—	—	21	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Manganese	—	397	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Manganese	—	1300	—	—	1	µg/L	E	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Manganese	—	2200	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Manganese	—	2210	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Manganese	—	2180	—	—	2.900000095	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	380	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	1340	—	—	1	µg/L	E	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Manganese	—	2190	—	—	1.6	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Manganese	—	2380	—	—	2.900000095	µg/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	11.1	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	6.6	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6020	Molybdenum	—	2.34	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6020	Molybdenum	—	2.38	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Molybdenum	—	1.590000033	—	—	0.589999974	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	11.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	6.7	—	—	0.1	µg/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6020	Molybdenum	—	2.27	—	—	0.2	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Molybdenum	—	1.879999995	—	—	0.589999974	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Nickel	—	8.3	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Nickel	<	8.3	—	—	1	µg/L	—	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Nickel	<	2.4	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Nickel	<	1.97	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Nickel	—	1.539999962	—	—	0.74000001	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	8.1	—	—	0.5	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	4.7	—	—	1	µg/L	J	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Nickel	<	2.26	—	—	0.69	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Nickel	—	2.130000114	—	—	0.74000001	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Silver	—	0.25	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Silver	<	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Silver	<	0.109999999	—	—	0.100000001	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Silver	—	0.39	—	—	0.2	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Silver	<	1	—	—	1	µg/L	U	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Silver	—	1.62	—	—	0.84	µg/L	B	J	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Silver	<	0.140000001	—	—	0.100000001	µg/L	B	U	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Strontium	—	217	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Strontium	—	114	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Met	6010	Strontium	—	127	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	220	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	112	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Met	6010	Strontium	—	126	—	—	—	µg/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6020	Uranium	—	0.46	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6020	Uranium	<	0.200000003	—	—	0.017999999	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	F	RE	NA	Met	6020	Uranium	—	0.03	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.47	—	—	0.05	µg/L	—	—	GELC
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6020	Uranium	<	0.230000004	—	—	0.017999999	µg/L	BE	U	GEL
PAO-4	1.97	6/19/2000	WG	UF	RE	NA	Met	6020	Uranium	—	0.04	—	—	—	µg/L	B	J	GELC
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	3.6	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Vanadium	<	2.07	—	—	0.61	µg/L	B	U	GEL

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
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Vanadium	<	1.46	—	—	0.61	µg/L	B	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Vanadium	—	1.649999976	—	—	1.100000024	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	11.3	—	—	1	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	2.5	—	—	1	µg/L	J	JN-	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Vanadium	—	22.7	—	—	0.61	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Vanadium	—	3.519999981	—	—	1.100000024	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Met	6010	Zinc	—	22.8	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Met	6010	Zinc	—	9.1	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Met	6010	Zinc	<	7.62	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Met	6010	Zinc	<	7.57	—	—	0.88	µg/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Met	6010	Zinc	<	2.690000057	—	—	2.799999952	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	25.6	—	—	2	µg/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	10	—	—	2	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Met	6010	Zinc	—	35.9	—	—	0.88	µg/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Met	6010	Zinc	—	6.260000229	—	—	2.799999952	µg/L	B	J	GEL
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00347	0.0157	0.0307	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Americium-241	—	0.0136	0.0127	0.036	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0406	0.011	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Americium-241	—	0.022	0.0089	0.024	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.039000001	0.011	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.014	0.0179	0.0369	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.0355	0.01	0.019	—	pCi/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.033	0.01	0.0081	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Americium-241	—	0.025	0.0125	0.012	—	pCi/L	LT	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.753	1.1	3.68	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.718	0.807	2.8	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cesium-137	—	2.37	1.1	2.2	—	pCi/L	—	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cesium-137	—	0.118	0.87	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.939999998	1	3	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.489	1.07	3.93	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	5.23	2.3	2.7	—	pCi/L	—	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cesium-137	—	-0.079599999	0.790000021	2.799999952	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cesium-137	—	-1.5	3.9	6.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-1.49	1.01	2.72	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.312	0.858	3.19	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.343	0.93	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	1.67	0.81	3.2	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.370000005	0.980000019	3.700000048	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.813	1.06	4.23	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.754	0.77	2.7	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.356999993	0.769999981	2.900000095	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Cobalt-60	—	-2	5	8.9	—	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.906	0.691	2.72	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross alpha	—	0.403	0.361	1.45	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	0.43	0.38	1.3	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.0711	0.65	2.5	—	pCi/L	U	J+, U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross alpha	—	0.35	0.355	1.2	—	pCi/L	—	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	900	Gross beta	—	13.6	0.762	1.44	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	900	Gross beta	—	17.9	1.27	3.18	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	900	Gross beta	—	13.2	0.8	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	12.9	0.725	1.3	—	pCi/L	—	—	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	900	Gross beta	—	12.3	0.75	1.3	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	82.2	127	223	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Gross gamma	—	56.9	79.5	244	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	F	CS	NA	Rad	901.1	Gross gamma	—	216	8	15	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	59.8	50.9	248	—	pCi/L	U	U	GELC
PAO-4	1.97	9/22/1998	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	187	9.5	23	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	9.54	8.39	25.9	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Neptunium-237	—	1.39	6.7	10.9	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	F	CS	FD	Rad	GS	Neptunium-237	—	12	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/21/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-33	11.5	20	—	pCi/L	U	U	PARA
PAO-4	1.97	4/4/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	6	10	16	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	9.42	8.5	30.4	—	pCi/L	U	U	GELC
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-1	11.5	19	—	pCi/L	U	U	PARA
PAO-4	1.97	4/4/2001	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	-5	11	18	—	pCi/L	U	U	PARA
PAO-4	1.97	6/19/2000	WG	UF	CS	NA	Rad	GS	Neptunium-237	—	12.8	5	8.2	—	pCi/L	SI	R	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
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00235	0.00332	0.0226	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00416	0.0164	0.043	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0.0059	0.0044	0.015	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00187	0.0032	0.014	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.00977	0.0049	0.0066	—	pCi/L	—	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00307	0.00307	0.0294	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.00235	0.0041	0.017	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0	1	0.0088	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-238	—	0.015	0.015	0.058	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.124	0.0186	0.0263	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.191	0.0235	0.036	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.02	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.19	0.02	0.01	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.07	0.01	0.05	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.165	0.0238	0.0343	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.16	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.11	0.02	0.04	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.18	0.04	0.01	—	pCi/L	—	NQ	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	-19.8	15.5	48.4	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Potassium-40	—	42.5	15.1	28.4	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Potassium-40	—	3.67	28	32	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Potassium-40	—	5.57	24	29	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	0	19	35	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	32.2	13	54.9	—	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
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	80.9	25	27	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Potassium-40	—	0	19	26	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Potassium-40	—	-20	65	110	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	1.44	1.24	4.39	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.147	0.86	2.96	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.366	1	3.4	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.826	0.88	3.3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.219999999	0.810000002	3.400000095	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	2.36	0.988	4.43	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.168	0.83	3	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	901.1	Sodium-22	—	0.173999995	0.670000017	2.599999905	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	GS	Sodium-22	—	-2.4	4.4	7.5	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	1.53	0.233	0.534	—	pCi/L	—	J	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.484	0.0696	0.205	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.89	0.14	0.083	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.877	0.15	0.091	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	0.958	0.27	0.8	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	1.23	0.183	0.39	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.7	0.12	0.08	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	1.07	0.3	0.81	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	905.0	Strontium-90	—	0.5	0.75	2.6	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.275	0.0347	0.0631	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-234	—	0.131	0.0195	0.075	—	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
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.0914	0.019	0.033	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.121	0.022	0.034	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	0.0392	0.013	0.029999999	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.239	0.0278	0.0494	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.128	0.02	0.031	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	0.075999998	0.016000001	0.022	—	pCi/L	—	NQ	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-234	—	-0.009	0.0095	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0224	0.0107	0.0533	—	pCi/L	U	U	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0207	0.00896	0.046	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.00278	0.0028	0.0075	—	pCi/L	U	U	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0057	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00562	0.008	0.029999999	—	pCi/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0146	0.0078	0.0417	—	pCi/L	U	U	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0	0.0061	0.026	—	pCi/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0088	0.0051	0.008	—	pCi/L	—	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.004	0.011	0.058	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.203	0.0283	0.0672	—	pCi/L	—	—	GELC
PAO-4	1.97	5/9/2005	WG	F	CS	—	Rad	H300	Uranium-238	—	0.0573	0.0127	0.053	—	pCi/L	—	J	GELC
PAO-4	1.97	5/23/2002	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.0554	0.014	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	5/23/2002	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0678	0.016	0.026	—	pCi/L	—	NQ	GEL
PAO-4	1.97	10/31/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.0308	0.01	0.021	—	pCi/L	—	NQ	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.182	0.0233	0.0526	—	pCi/L	—	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.067	0.014	0.02	—	pCi/L	—	NQ	GEL

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
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.0175	0.0084	0.022	—	pCi/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Rad	H300	Uranium-238	—	0.024	0.019	0.064	—	pCi/L	U	U	PARA
PAO-4	1.97	8/10/2006	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	—	4.56	—	—	3.06	µg/L	J	—	GELC
PAO-4	1.97	5/9/2005	WG	UF	CS	—	SV	8270	Di-n-octylphthalate	<	10.4	—	—	—	µg/L	U	UJ	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	10	—	—	0.87	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	SV	8270	Di-n-octylphthalate	<	156	—	—	2.200000048	µg/L	U	U	GEL
PAO-4	1.97	8/10/2006	WG	UF	CS	—	Voa	8260	Chloroform	—	0.41	—	—	0.25	µg/L	J	—	GELC
PAO-4	1.97	5/23/2002	WG	UF	CS	NA	Voa	8260	Chloroform	<	1	—	—	0.36	µg/L	U	U	GEL
PAO-4	1.97	10/31/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	180	—	—	0.17000002	µg/L	U	U	GEL
PAO-4	1.97	6/21/2001	WG	UF	CS	NA	Voa	8260	Chloroform	<	5	—	—	—	µg/L	U	U	PARA
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	296	—	—	0.725	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	0.725	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	166	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	180	—	—	1.45	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.059	—	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.176	—	—	0.01	mg/L	—	J	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.116	—	—	0.066	mg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.13	—	—	0.066	mg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Calcium	—	47.6	—	—	0.036	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	49.4	—	—	0.036	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	46.9	—	—	0.036	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	42.6	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	45.8	—	—	0.0055	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Calcium	—	44.4	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Calcium	—	44.6	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	33.3	—	—	0.89	mg/L	—	J-	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Chloride	—	44.4	—	—	0.33	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Chloride	—	44.1	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Chloride	—	42.1	—	—	0.265	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Chloride	—	41.5	—	—	0.161	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Chloride	—	41.7	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Chloride	—	41.8	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Chloride	—	42.4	—	—	0.161	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.302	—	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.319	—	—	0.033	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.3	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.293	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.24	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Fluoride	—	0.242	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Fluoride	—	0.243	—	—	0.0553	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	169	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	175	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	165	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	151	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	200.7	Hardness	—	159	—	—	0.00554	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	12.1	—	—	0.085	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	12.5	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.6	—	—	0.085	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	10.9	—	—	0.0052	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.8	—	—	0.0052	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Magnesium	—	11.7	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Magnesium	—	11.6	—	—	0.00518	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.2	—	—	0.07	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.8	—	—	0.003	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	5.06	—	—	0.07	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
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.23	—	—	0.03	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.003	—	—	0.003	mg/L	U	R	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.42	—	—	0.03	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.54	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.93	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.84	—	—	0.03	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.282	—	—	0.05	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.39	—	—	0.01	SU	H	J	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.55	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	150.1	pH	—	6.85	—	—	0.01	SU	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	150.1	pH	—	5.71	—	—	0.01	SU	H	J	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	150.1	pH	—	7.19	—	—	—	SU	H	J	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	150.1	pH	—	7.2	—	—	—	SU	H	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Potassium	—	8.94	—	—	0.05	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	9.28	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	8.37	—	—	0.05	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	7.91	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.5	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Potassium	—	8.72	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Potassium	—	8.65	—	—	0.0165	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	53.3	—	—	0.032	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.2	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	52.1	—	—	0.032	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.16	—	—	0.032	mg/L	J	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.3	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.3	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	55.5	—	—	0.0212	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	6010	Sodium	—	44.9	—	—	0.045	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.045	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	47.8	—	—	0.045	mg/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	mg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	41.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	45	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	6010	Sodium	—	46.7	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	6010	Sodium	—	47	—	—	0.0144	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	578	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	470	—	—	1	uS/cm	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	553	—	—	1	uS/cm	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9050	Specific Conductance	—	1.5	—	—	1	uS/cm	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	555	—	—	1	uS/cm	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	300	Sulfate	—	23	—	—	0.1	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	23.1	—	—	0.1	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	21.4	—	—	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
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	300	Sulfate	—	20.2	—	—	0.965	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	300	Sulfate	—	20.6	—	—	0.965	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	300	Sulfate	—	22.3	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	300	Sulfate	—	22.5	—	—	0.193	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	366	—	—	2.38	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	358	—	—	2.38	mg/L	H	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	14	—	—	2.38	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	329	—	—	3.07	mg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	347	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	345	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	351	—	—	3.07	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.125	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.276	—	—	0.01	mg/L	—	JN-	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.37	—	—	0.33	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Inorg	9060	Total Organic	—	1.48	—	—	0.074	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
									Carbon									
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.273	—	—	0.074	mg/L	—	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.13	—	—	0.01	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.868	—	—	0.01	mg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	1.08	—	—	0.01	mg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.033	—	—	0.01	mg/L	J	UJ	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Barium	—	114	—	—	1	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Barium	—	118	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Barium	—	107	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Barium	—	97.5	—	—	0.22	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Barium	—	106	—	—	0.22	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Barium	—	104	—	—	0.222	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Barium	—	104	—	—	0.222	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Boron	—	235	—	—	10	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Boron	—	244	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Boron	—	216	—	—	10	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Boron	—	202	—	—	4.9	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Boron	—	216	—	—	4.9	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Boron	—	224	—	—	4.88	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Boron	—	221	—	—	4.88	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
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Cobalt	—	1.7	—	—	1	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Cobalt	—	1.8	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Cobalt	—	1.1	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Cobalt	<	2.12	—	—	0.54	µg/L	B	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Cobalt	—	1.93	—	—	0.54	µg/L	B	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Cobalt	<	6.11	—	—	0.541	µg/L	—	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Cobalt	—	5.89	—	—	0.541	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.8	—	—	2	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.3	—	—	0.1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6020	Molybdenum	<	0.1	—	—	0.1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Molybdenum	—	1.68	—	—	1.4	µg/L	B	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Molybdenum	<	1.4	—	—	1.4	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Molybdenum	<	3.28	—	—	1.43	µg/L	B	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Molybdenum	—	4.06	—	—	1.43	µg/L	B	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6020	Nickel	—	9.9	—	—	0.5	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6020	Nickel	—	9.5	—	—	0.5	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Nickel	—	8.6	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Nickel	<	1	—	—	1	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Nickel	—	8.99	—	—	0.69	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Nickel	—	8.97	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Nickel	—	11.2	—	—	0.69	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Nickel	—	10.7	—	—	0.69	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
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Strontium	—	243	—	—	1	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Strontium	—	252	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Strontium	—	242	—	—	1	µg/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Strontium	—	219	—	—	0.18	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Strontium	—	236	—	—	0.18	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Strontium	—	233	—	—	0.178	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Strontium	—	234	—	—	0.178	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6020	Uranium	—	2.9	—	—	0.05	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.8	—	—	0.05	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6020	Uranium	—	2.74	—	—	0.02	µg/L	—	—	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6020	Uranium	—	2.5	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6020	Uranium	—	2.97	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6020	Uranium	—	2.94	—	—	0.02	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Met	6010	Vanadium	—	3.8	—	—	1	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Met	6010	Vanadium	—	4.1	—	—	1	µg/L	J	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Met	6010	Vanadium	—	3.3	—	—	1	µg/L	J	JN-	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Met	6010	Vanadium	<	3.32	—	—	0.61	µg/L	B	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	3.58	—	—	0.61	µg/L	B	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Met	6010	Vanadium	<	5.29	—	—	0.606	µg/L	—	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Met	6010	Vanadium	—	5.14	—	—	0.606	µg/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00319	0.00425	0.0478	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0109	0.00472	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
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.029	0.0144	0.056	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.013	0.00702	0.031	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0277	0.00841	0.038	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Americium-241	—	0.0089	0.00892	0.039	—	pCi/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00774	0.00475	0.028	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.87	0.987	4.13	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.735	1.69	5.86	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	7.1	1.1	4.3	—	pCi/L	UI	R	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	-0.37	0.97	3.46	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.1	1.63	5.97	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.01	1.37	4.2	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.00834	1.47	5.44	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.872	1.56	5.6	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.04	0.962	3.59	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.19	0.99	3.94	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.974	1.89	6.51	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.268	1.25	4.65	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	900	Gross alpha	—	2.04	0.879	2.43	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.763	0.744	2.42	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	2.5	0.556	1.3	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.285	0.247	1.58	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	3.2	0.505	1.32	—	pCi/L	—	JN+	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	2.3	0.585	1.81	—	pCi/L	—	J	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	900	Gross beta	—	8.45	0.609	1.24	—	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
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.92	0.546	1.22	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	900	Gross beta	—	9.57	1.03	3.17	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	900	Gross beta	—	0.334	0.568	2.32	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	900	Gross beta	—	10.7	0.969	2.61	—	pCi/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	900	Gross beta	—	9.21	0.828	2.4	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	91.1	60.6	226	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.4	63.1	270	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	79.3	86.3	240	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	73.2	91.7	277	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	109	229	356	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	82.5	80.5	287	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-5.82	8.14	27.6	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	1.98	6.19	21.8	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-2.59	6.47	22.4	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	1.38	4.03	13.5	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	8.84	11.6	40.2	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-0.781	5.13	15.9	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00851	0.00383	0.0164	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00202	0.0194	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0174	0.0113	0.036	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0.111	0.0187	0.04	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	RE	FB	Rad	H300	Plutonium-238	—	-0.0406	0.017	0.076	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00303	0.0194	0.047	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Plutonium-238	—	0.00912	0.0158	0.047	—	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
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.0141	0.0126	0.028	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.0034	0.0191	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0101	0.00455	0.0226	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0122	0.00579	0.031	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00777	0.00674	0.034	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0333	0.0133	0.049	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.00608	0.00745	0.049	—	pCi/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	-0.00201	0.0104	0.025	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	15.4	15.4	60	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	49.8	11.7	58.2	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	46.1	11.6	46.1	—	pCi/L	U	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	0.153	11.3	35	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	69.8	28.7	44.8	—	pCi/L	UI	R	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	11.4	12.9	51.2	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.306	1.07	4.01	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.619	1.66	6.03	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.29	1.03	3.84	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	0.0377	1.09	3.85	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.878	1.78	6.85	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.17	1.08	4.48	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0686	0.0938	0.319	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.146	0.0994	0.33	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0522	0.0714	0.328	—	pCi/L	U	U	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.146	0.107	0.455	—	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
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.263	0.0834	0.268	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0929	0.0451	0.169	—	pCi/L	U	U	GELC
POI-4	159	8/20/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	0.0295	0.0425	0.183	—	pCi/L	U	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.26	0.0965	0.0559	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.43	0.111	0.0666	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.83	0.11	0.072	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.00459	0.00796	0.07	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.56	0.0783	0.056	—	pCi/L	—	J	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.19	0.0908	0.051	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0298	0.0145	0.0471	—	pCi/L	U	U	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0789	0.0199	0.0562	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.13	0.0186	0.044	—	pCi/L	—	J	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0138	0.00655	0.043	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.153	0.0181	0.034	—	pCi/L	—	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.143	0.0224	0.029	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.937	0.0754	0.0594	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.04	0.0866	0.0708	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.12	0.0744	0.051	—	pCi/L	—	—	GELC
POI-4	159	5/7/2005	WG	UF	CS	FB	Rad	H300	Uranium-238	—	-0.00689	0.0046	0.05	—	pCi/L	U	U	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	1.01	0.0569	0.04	—	pCi/L	—	J	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.892	0.0719	0.032	—	pCi/L	—	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Voa	8260	Acetone	—	3.72	—	—	1.25	µg/L	J	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	UJ	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	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
POI-4	159	6/24/2004	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/19/2003	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	2	µg/L	U	—	GELC
POI-4	159	8/8/2006	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	—	3.56	—	—	2	µg/L	J	J	GELC
POI-4	159	6/24/2004	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	6/24/2004	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/20/2003	WG	UF	CS	—	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
POI-4	159	8/19/2003	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	215	—	—	0.725	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	227	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	225	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	227	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	237	—	—	1.45	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	146	—	—	0.73	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	221	—	—	0.725	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	26.6	—	—	1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	23.1	—	—	1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Calcium	—	25.4	—	—	0.036	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Calcium	—	31.4	—	—	0.00823	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
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Calcium	—	32.1	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Calcium	—	32.4	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Calcium	—	33.3	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Calcium	—	31.9	—	—	0.0055	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Calcium	—	26	—	—	0.036	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Calcium	—	32.2	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Calcium	—	31.3	—	—	0.0055	mg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Inorg	6010	Calcium	<	22	—	—	0.038	mg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	300	Chloride	—	45.8	—	—	0.33	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	300	Chloride	—	39.7	—	—	0.322	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	300	Chloride	—	31.1	—	—	0.322	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	300	Chloride	—	39.2	—	—	0.322	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	300	Chloride	—	45.3	—	—	0.161	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	300	Chloride	—	43.4	—	—	0.16	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	300	Chloride	—	45.6	—	—	0.33	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00393	—	—	0.0015	mg/L	J	—	GELC
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Inorg	9010	Cyanide (Total)	<	0.01	—	—	—	mg/L	U	U	PARA
Pueblo 3	—	6/12/1997	WS	F	CS	—	Inorg	Titrat.	Cyanide (Total)	—	0.01	0.01	—	—	mg/L	—	—	CST
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00412	—	—	0.0015	mg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00319	—	—	0.00172	mg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Inorg	335.3	Cyanide (Total)	—	0.00199	—	—	0.00172	mg/L	J	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
Pueblo 3	—	4/30/2002	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00477	—	—	0.00289	mg/L	J	—	GELC
Pueblo 3	—	4/30/2002	WS	UF	DUP	—	Inorg	335.3	Cyanide (Total)	—	0.00489	—	—	0.00289	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
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	300	Fluoride	—	0.46	—	—	0.033	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	300	Fluoride	—	0.661	—	—	0.0553	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	300	Fluoride	—	0.664	—	—	0.0553	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	300	Fluoride	—	0.675	—	—	0.0553	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	300	Fluoride	—	0.419	—	—	0.0553	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	300	Fluoride	—	0.384	—	—	0.055	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	300	Fluoride	—	0.456	—	—	0.033	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	A2340	Hardness	—	97.5	—	—	0.085	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Hardness	—	107	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Hardness	—	110	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Hardness	—	118	—	—	0.00823	mg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Hardness	—	95.3	—	—	0.112	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	A2340	Hardness	—	99.9	—	—	0.085	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Magnesium	—	8.26	—	—	0.085	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Magnesium	—	6.97	—	—	0.00332	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Magnesium	—	7.19	—	—	0.00332	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Magnesium	—	7.17	—	—	0.00332	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Magnesium	—	8.48	—	—	0.00332	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Magnesium	—	6.65	—	—	0.0052	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Magnesium	—	8.51	—	—	0.085	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Magnesium	—	7.23	—	—	0.00332	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Magnesium	—	6.5	—	—	0.0052	mg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Inorg	6010	Magnesium	—	6.52	—	—	0.0045	mg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.0206	—	—	0.014	mg/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
																	JN-	
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	<	0.01	—	—	0.01	mg/L	U	R	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	<	0.01	—	—	0.01	mg/L	U	R	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.02	—	—	0.01	mg/L	J	J-	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N	—	2.66	—	—	0.01	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.0168	—	—	0.014	mg/L	J	J+, JN-	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	150.1	pH	—	7.41	—	—	0.01	SU	H	J	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	150.1	pH	—	7.53	—	—	—	SU	H	J	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	150.1	pH	—	7.5	—	—	—	SU	H	J	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	150.1	pH	—	7.52	—	—	—	SU	H	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	150.1	pH	—	7.12	—	—	0.01	SU	H	J	GELC
Pueblo 3	—	7/29/2003	WS	F	DUP	—	Inorg	150.1	pH	—	7.13	—	—	0.01	SU	H	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Inorg	150.1	pH	—	7.57	—	—	0.01	SU	H	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	150.1	pH	—	7.41	—	—	0.01	SU	H	J	GELC
Pueblo 3	—	6/12/1997	WS	UF	CS	—	Inorg	pH	pH	—	7.1	0.1	—	—	SU	—	—	CST
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Potassium	—	17.3	—	—	0.05	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Potassium	—	17.4	—	—	0.0372	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Potassium	—	18	—	—	0.0372	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Potassium	—	17.8	—	—	0.0372	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Potassium	—	17.4	—	—	0.0372	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Potassium	—	20.5	—	—	0.017	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Potassium	—	17.5	—	—	0.05	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Potassium	—	18	—	—	0.0372	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
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Potassium	—	20.1	—	—	0.017	mg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Inorg	6010	Potassium	—	14.5	—	—	0.0071	mg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Silicon Dioxide	—	76.7	—	—	0.032	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Silicon Dioxide	—	68.1	—	—	0.0122	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Silicon Dioxide	—	75.4	—	—	0.0122	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Silicon Dioxide	—	75.3	—	—	0.0122	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Silicon Dioxide	—	71.1	—	—	0.0122	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Silicon Dioxide	—	39.3	—	—	0.0098	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Silicon Dioxide	—	80.2	—	—	0.032	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Silicon Dioxide	—	76.1	—	—	0.0122	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Silicon Dioxide	—	38.8	—	—	0.0098	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	6010	Sodium	—	67.2	—	—	0.045	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	200.7	Sodium	—	68.9	—	—	0.02	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	200.7	Sodium	—	71.6	—	—	0.02	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	200.7	Sodium	—	71.4	—	—	0.02	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	200.7	Sodium	—	72.7	—	—	0.02	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	6010	Sodium	—	73.4	—	—	0.014	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	6010	Sodium	—	65.1	—	—	0.045	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Inorg	200.7	Sodium	—	71.9	—	—	0.02	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	6010	Sodium	—	73	—	—	0.014	mg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Inorg	6010	Sodium	—	65.8	—	—	0.0081	mg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	120.1	Specific Conductance	—	653	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	9050	Specific Conductance	—	601	—	—	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
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	9050	Specific Conductance	—	593	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	9050	Specific Conductance	—	599	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	9050	Specific Conductance	—	679	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Inorg	9050	Specific Conductance	—	514	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	120.1	Specific Conductance	—	640	—	—	1	uS/cm	—	—	GELC
Pueblo 3	—	6/12/1997	WS	UF	CS	—	Inorg	Generic	Specific Conductance	—	532	26	—	—	uS/cm	—	—	CST
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	300	Sulfate	—	20.2	—	—	0.1	mg/L	—	J+	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	300	Sulfate	—	13.6	—	—	0.193	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	300	Sulfate	—	13.6	—	—	0.193	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	300	Sulfate	—	13.6	—	—	0.193	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	300	Sulfate	—	17.3	—	—	0.193	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Inorg	300	Sulfate	—	39.4	—	—	0.19	mg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	300	Sulfate	—	19.7	—	—	0.1	mg/L	—	J+	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	—	43.5	—	—	2.85	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	398	—	—	2.38	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	410	—	—	3.07	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	384	—	—	3.07	mg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	389	—	—	3.07	mg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Inorg	160.1	Total Dissolved	—	411	—	—	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
									Solids									
Pueblo 3	—	7/29/2003	WS	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	406	—	—	3.07	mg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	379	—	—	5.09	mg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	DUP	—	Inorg	160.1	Total Dissolved Solids	—	379	—	—	5.09	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	379	—	—	2.38	mg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	26.9	—	—	0.1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	25.9	—	—	0.1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	9060	Total Organic Carbon	—	19.6	—	—	0.66	mg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	20.1	—	—	0.13	mg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Inorg	9060	Total Organic Carbon	—	25.8	—	—	0.081	mg/L	—	NQ	GEL
Pueblo 3	—	6/21/2001	WS	UF	CS	NA	Inorg	415.1	Total Organic Carbon	—	8.9	—	—	—	mg/L	—	NQ	PARA
Pueblo 3	—	7/28/2006	WS	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	8.46	—	—	0.1	mg/L	—	J	GELC
Pueblo 3	—	6/12/1997	WS	F	CS	—	Inorg	Titrat.	Total Phosphate as Phosphorus	—	4.78	0.48	—	—	mg/L	—	—	CST
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	8.95	—	—	0.1	mg/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Aluminum	—	132	—	—	14.4	µg/L	—	J-	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Aluminum	<	52.5	—	—	14.4	µg/L	B	U	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Aluminum	—	136	—	—	14.4	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Aluminum	<	14.4	—	—	14.4	µg/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
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Aluminum	—	80.2	—	—	15	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Aluminum	—	1370	—	—	68	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Aluminum	—	49	—	—	14.4	µg/L	B	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Aluminum	<	50	—	—	15	µg/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Aluminum	—	710	—	—	34	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Barium	—	49.4	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Barium	—	46.6	—	—	0.301	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Barium	—	21.1	—	—	0.301	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Barium	—	47.5	—	—	0.301	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Barium	—	24.3	—	—	0.301	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Barium	—	53.6	—	—	0.22	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Barium	—	83.3	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Barium	—	22.4	—	—	0.301	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Barium	—	49.3	—	—	0.22	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Barium	—	36	—	—	0.159999996	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Boron	—	285	—	—	10	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Boron	—	288	—	—	1.39	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Boron	—	311	—	—	1.39	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Boron	—	298	—	—	1.39	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Boron	—	354	—	—	1.39	µg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Met	200.7	Boron	—	434	—	—	1.76	µg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	DUP	—	Met	200.7	Boron	—	427	—	—	1.76	µg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Boron	—	281	—	—	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
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Boron	—	303	—	—	1.39	µg/L	—	—	GELC
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Boron	—	328	—	—	3	µg/L	B	J	GEL
Pueblo 3	—	4/3/2001	WS	UF	CS	—	Met	200.7	Boron	—	347	—	—	1.76	µg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Cobalt	—	4.2	—	—	1	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Cobalt	—	1.87	—	—	0.762	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Cobalt	—	1.21	—	—	0.762	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Cobalt	—	1.28	—	—	0.762	µg/L	B	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Cobalt	—	5.75	—	—	0.762	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Cobalt	—	2.57	—	—	0.54	µg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Cobalt	—	3.1	—	—	1	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Cobalt	<	0.762	—	—	0.762	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Cobalt	—	2.53	—	—	0.54	µg/L	B	J	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Cobalt	—	0.589999974	—	—	0.017999999	µg/L	BE	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Copper	—	4.44	—	—	1.8	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Copper	<	1.8	—	—	1.8	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Copper	—	4.38	—	—	1.8	µg/L	B	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Copper	—	3.57	—	—	1.8	µg/L	B	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Copper	—	7.3	—	—	1.4	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Copper	—	7.3	—	—	3	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Copper	<	1.8	—	—	1.8	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Copper	—	6.18	—	—	1.4	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Copper	—	31.29999924	—	—	2.700000048	µg/L	—	NQ	GEL

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
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Iron	—	702	—	—	18	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Iron	—	2430	—	—	14.9	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Iron	—	861	—	—	14.9	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Iron	—	2470	—	—	14.9	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Iron	—	847	—	—	14.9	µg/L	—	J	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Iron	—	138	—	—	13	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Iron	—	2280	—	—	18	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Iron	—	973	—	—	14.9	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Iron	—	79.7	—	—	13	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Iron	—	634	—	—	21	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6020	Lead	—	0.66	—	—	0.5	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.8	Lead	—	0.27	—	—	0.05	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.8	Lead	—	0.277	—	—	0.05	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.8	Lead	—	0.173	—	—	0.05	µg/L	B	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.8	Lead	—	0.394	—	—	0.05	µg/L	B	J	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6020	Lead	—	0.598	—	—	0.05	µg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6020	Lead	—	3.7	—	—	0.5	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6020	Lead	—	1.46	—	—	0.05	µg/L	B	J	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6020	Lead	—	4.010000229	—	—	3.400000095	µg/L	B	J	GEL
Pueblo 3	—	6/21/2001	WS	UF	CS	NA	Met	6010	Lead	<	1.1	—	—	—	µg/L	U	UJ	PARA
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Manganese	—	812	—	—	2	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Manganese	—	1900	—	—	0.304	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Manganese	—	1860	—	—	0.304	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
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Manganese	—	1950	—	—	0.304	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Manganese	—	1830	—	—	0.304	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6020	Manganese	—	123	—	—	1.6	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Manganese	—	883	—	—	2	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Manganese	—	1880	—	—	0.304	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6020	Manganese	—	132	—	—	1.6	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6020	Manganese	—	157	—	—	2.900000095	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6020	Nickel	—	4.5	—	—	0.5	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Nickel	—	4.55	—	—	3.6	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Nickel	—	4.9	—	—	3.6	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Nickel	—	5.01	—	—	3.6	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Nickel	—	7.45	—	—	3.6	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Nickel	—	7.1	—	—	0.69	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6020	Nickel	—	4.8	—	—	0.5	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Nickel	—	4.09	—	—	3.6	µg/L	B	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Nickel	—	6.58	—	—	0.69	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Nickel	<	5	—	—	0.74000001	µg/L	U	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6020	Silver	—	0.24	—	—	0.2	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Silver	—	0.91	—	—	0.819	µg/L	B	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Silver	<	0.819	—	—	0.819	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Silver	<	0.819	—	—	0.819	µg/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Silver	<	0.819	—	—	0.819	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL

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
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6020	Silver	—	0.86	—	—	0.2	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Silver	<	0.819	—	—	0.819	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Silver	<	5	—	—	0.84	µg/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Silver	—	1.350000024	—	—	0.100000001	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Strontium	—	130	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Strontium	—	154	—	—	0.238	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Strontium	—	152	—	—	0.238	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Strontium	—	159	—	—	0.238	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Strontium	—	159	—	—	0.238	µg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	CS	—	Met	200.7	Strontium	—	104	—	—	0.185	µg/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	F	DUP	—	Met	200.7	Strontium	—	103	—	—	0.185	µg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Strontium	—	135	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Strontium	—	152	—	—	0.238	µg/L	—	—	GELC
Pueblo 3	—	4/3/2001	WS	UF	CS	—	Met	200.7	Strontium	—	114	—	—	0.185	µg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6020	Uranium	—	0.54	—	—	0.05	µg/L	—	—	GELC
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Met	6020	Uranium	<	0.529999971	—	—	0.017999999	µg/L	BE	U	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6020	Uranium	—	0.7	—	—	0.05	µg/L	—	—	GELC
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6020	Uranium	<	0.620000005	—	—	0.017999999	µg/L	BE	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Vanadium	—	6.8	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Vanadium	—	6.9	—	—	0.732	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Vanadium	—	6.98	—	—	0.732	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Vanadium	—	6.48	—	—	0.732	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Vanadium	—	5.38	—	—	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
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Vanadium	—	14.1	—	—	0.61	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Vanadium	—	9.2	—	—	1	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Vanadium	—	5.94	—	—	0.732	µg/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Vanadium	—	13.3	—	—	0.61	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Vanadium	—	19.20000076	—	—	1.100000024	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Met	6010	Zinc	—	11.8	—	—	2	µg/L	—	J+	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	—	Met	200.7	Zinc	<	8.36	—	—	0.406	µg/L	—	U	GELC
Pueblo 3	—	6/9/2004	WS	F	CS	FD	Met	200.7	Zinc	<	6.84	—	—	0.406	µg/L	—	U	GELC
Pueblo 3	—	6/9/2004	WS	F	DUP	—	Met	200.7	Zinc	—	11.5	—	—	0.406	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	F	CS	—	Met	200.7	Zinc	—	10.7	—	—	0.406	µg/L	—	J-	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Met	6010	Zinc	—	43.3	—	—	0.88	µg/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Met	6010	Zinc	—	22.2	—	—	2	µg/L	—	J+	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Met	200.7	Zinc	—	4.87	—	—	0.406	µg/L	B	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Met	6010	Zinc	—	42.3	—	—	0.88	µg/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	UF	CS	NA	Met	6010	Zinc	—	42.09999847	—	—	2.799999952	µg/L	B	J	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Americium-241	—	-0.000831	0.0028	0.0248	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Americium-241	—	0.0214	0.0077	0.0073	—	pCi/L	—	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Americium-241	—	0.023399999	0.0089	0.0091	—	pCi/L	—	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Americium-241	—	0.007	0.0115	0.051	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Americium-241	—	-0.00531	0.00496	0.0238	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Americium-241	—	0.0115	0.00721	0.034	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Americium-241	—	-0.00221	0.0161	0.039	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Americium-241	—	0.0132	0.0103	0.039	—	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
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Americium-241	—	0.0191	0.00772	0.03	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Americium-241	—	0.0138	0.0057	0.0062	—	pCi/L	—	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Cesium-137	—	-1.19	1.4	4.87	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	901.1	Cesium-137	—	0.162	0.84	2.9	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	901.1	Cesium-137	—	-1.350000024	0.899999976	3	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	GS	Cesium-137	—	0.7	2.9	4.7	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Cesium-137	—	-1.25	1.01	3.5	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Cesium-137	—	0.0207	0.961	3.52	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Cesium-137	—	-0.723	1.12	3.8	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Cesium-137	—	0.035	0.918	3.35	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Cesium-137	—	3.17	1.24	5.03	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	901.1	Cesium-137	—	3.45	2.5	2.7	—	pCi/L	—	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Cobalt-60	—	-0.00276	1.34	5.12	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	901.1	Cobalt-60	—	0.594	0.89	3.2	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.467000008	1.100000024	3.900000095	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	GS	Cobalt-60	—	1.2	3.5	5.6	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.19	1.29	4.42	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	0.234	0.838	3.38	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Cobalt-60	—	-0.856	0.971	3.41	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Cobalt-60	—	0.851	0.936	3.75	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	1.36	1.11	4.65	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	901.1	Cobalt-60	—	-0.96	0.88	3	—	pCi/L	U	U	GEL

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
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	900	Gross alpha	—	-0.0206	0.548	1.94	—	pCi/L	U	J-, U	GELC
Pueblo 3	—	4/3/2001	WS	F	CS	—	Rad	900	Gross alpha	—	-0.41	0.649	2.68	—	pCi/L	U	U	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	900	Gross alpha	—	6.8	1.25	3.5	—	pCi/L	—	J, J-	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	900	Gross alpha	—	0.0261	0.502	2.01	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	900	Gross alpha	—	0.568	0.543	2	—	pCi/L	U	U	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	900	Gross alpha	—	0.781	0.421	1.45	—	pCi/L	U	U	GELC
Pueblo 3	—	4/30/2002	WS	UF	CS	—	Rad	900	Gross alpha	—	-2.48	0.544	2.73	—	pCi/L	U	U	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	900	Gross beta	—	12	1.08	2.23	—	pCi/L	—	—	GELC
Pueblo 3	—	4/3/2001	WS	F	CS	—	Rad	900	Gross beta	—	12.2	1.51	3.39	—	pCi/L	—	J	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	900	Gross beta	—	20	1.36	2.42	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	900	Gross beta	—	9.63	0.64	1.2	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	900	Gross beta	—	9.84	0.695	1.59	—	pCi/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	900	Gross beta	—	19.6	1.52	3.83	—	pCi/L	—	—	GELC
Pueblo 3	—	4/30/2002	WS	UF	CS	—	Rad	900	Gross beta	—	16.3	0.848	2.15	—	pCi/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Gross gamma	—	94.9	320	393	—	pCi/L	U	U	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Gross gamma	—	141	113	378	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Gross gamma	—	73.2	66.1	189	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Gross gamma	—	88.1	67.6	318	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Gross gamma	—	76.4	96.6	202	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Gross gamma	—	77.4	53.5	235	—	pCi/L	U	U	GELC
Pueblo 3	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Gross gamma	—	22.7	0.451	105	—	pCi/L	U	U	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Neptunium-237	—	10.2	11.3	34.8	—	pCi/L	U	U	GELC
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	GS	Neptunium-237	—	0	12.5	21	—	pCi/L	U	U	PARA
Pueblo 3	—	4/3/2001	WS	F	CS	—	Rad	901.1	Neptunium-237	—	7.15	4.55	16.4	—	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
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	3.22	10.3	34.7	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.34	6.96	24.3	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Neptunium-237	—	-0.0203	9.38	31.6	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Neptunium-237	—	-0.362	7.62	26	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-19.1	11.4	35.3	—	pCi/L	U	U	GELC
Pueblo 3	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.1	2.57	7.67	—	pCi/L	U	U	GELC
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Plutonium-238	—	0.00909	0.00803	0.0291	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Plutonium-238	—	-0.00319	0.0045	0.024	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Plutonium-238	—	0	1	0.0083	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Plutonium-238	—	0.004	0.0095	0.048	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0779	0.0161	0.0241	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Plutonium-238	—	0	0.0142	0.052	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Plutonium-238	—	-0.018	0.0104	0.046	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Plutonium-238	—	0.00304	0.0101	0.047	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Plutonium-238	—	0	0.00228	0.041	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Plutonium-238	—	-0.00291	0.0041	0.021	—	pCi/L	U	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0606	0.0145	0.0339	—	pCi/L	—	J	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.0079	0.0086	—	pCi/L	—	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.00305	0.01	0.04	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.06	0.02	0.06	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.244	0.0272	0.0281	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.292	0.034	0.054	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Plutonium-239/240	—	0.24	0.0313	0.048	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Plutonium-239/240	—	0.334	0.0354	0.049	—	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
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.109	0.0169	0.044	—	pCi/L	—	J	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.0088	0.0079	—	pCi/L	—	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Potassium-40	—	17.2	24.2	38.3	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	901.1	Potassium-40	—	0	13	48	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	901.1	Potassium-40	—	10.89999962	24	37	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	GS	Potassium-40	—	-80	55	99	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Potassium-40	—	40.1	15	63.1	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Potassium-40	—	37.2	15.5	43.4	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Potassium-40	—	29.2	21.4	41.1	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Potassium-40	—	85.5	39.6	34	—	pCi/L	UI	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Potassium-40	—	58.8	18.2	42.8	—	pCi/L	—	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	901.1	Potassium-40	—	58.2	21	29	—	pCi/L	—	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	901.1	Sodium-22	—	0.467	1.18	4.7	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	901.1	Sodium-22	—	0.155	0.83	3	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	901.1	Sodium-22	—	2.059999943	0.970000029	4	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	GS	Sodium-22	—	2.5	3.35	5.1	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	901.1	Sodium-22	—	-1.05	1	3.42	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	901.1	Sodium-22	—	-0.0118	0.963	3.54	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	901.1	Sodium-22	—	0.592	1.18	4.35	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	901.1	Sodium-22	—	1.9	0.9	3.87	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	901.1	Sodium-22	—	-0.283	1.13	4.09	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	901.1	Sodium-22	—	0.7	0.74	3.1	—	pCi/L	U	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	905.0	Strontium-90	—	0.164	0.083	0.27	—	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
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	905.0	Strontium-90	—	0.0004	0.025	0.094	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	905.0	Strontium-90	—	0.166	0.16	0.53	—	pCi/L	U	U	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	905.0	Strontium-90	—	0.3	0.8	2.8	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	905.0	Strontium-90	—	0.0919	0.0732	0.246	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	GFPC	Strontium-90	—	0.562	0.103	0.166	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	GFPC	Strontium-90	—	0.835	0.177	0.34	—	pCi/L	—	J	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	GFPC	Strontium-90	—	0.605	0.117	0.3	—	pCi/L	—	J	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	905.0	Strontium-90	—	0.041	0.028	0.096	—	pCi/L	U	U	GEL
Pueblo 3	—	6/12/1997	WS	UF	CS	—	Rad	KPA	Uranium	—	0.4	—	—	—	µg/L	—	—	CST
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Uranium-234	—	0.248	0.0285	0.0396	—	pCi/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Uranium-234	—	0.231	0.031	0.033	—	pCi/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Uranium-234	—	0.273000002	0.035999998	0.030999999	—	pCi/L	—	NQ	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Uranium-234	—	0.27	0.055	0.053	—	pCi/L	—	NQ	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Uranium-234	—	0.337	0.0315	0.039	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Uranium-234	—	0.119	0.022	0.101	—	pCi/L	—	J	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Uranium-234	—	-0.000000000135	0.0335	0.108	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Uranium-234	—	0.162	0.0224	0.084	—	pCi/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Uranium-234	—	0.325	0.0459	0.107	—	pCi/L	—	J+	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Uranium-234	—	0.19	0.028	0.038	—	pCi/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Uranium-235/236	—	0.0187	0.00819	0.0334	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0218	0.013	0.041	—	pCi/L	U	U	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Uranium-235/236	—	0.00668	0.0067	0.025	—	pCi/L	U	U	GEL

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
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Uranium-235/236	—	0.029	0.0195	0.053	—	pCi/L	U	U	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0277	0.00816	0.0329	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Uranium-235/236	—	0.00331	0.0074	0.061	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Uranium-235/236	—	0.0248	0.0184	0.066	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Uranium-235/236	—	0.00275	0.00728	0.051	—	pCi/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0559	0.0212	0.062	—	pCi/L	U	U	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Uranium-235/236	—	0.0145	0.0065	0.0078	—	pCi/L	—	U	GEL
Pueblo 3	—	7/28/2006	WS	F	CS	—	Rad	H300	Uranium-238	—	0.161	0.021	0.0421	—	pCi/L	—	—	GELC
Pueblo 3	—	5/23/2002	WS	F	CS	NA	Rad	H300	Uranium-238	—	0.0951	0.02	0.041	—	pCi/L	—	NQ	GEL
Pueblo 3	—	10/31/2001	WS	F	CS	NA	Rad	H300	Uranium-238	—	0.143000007	0.025	0.025	—	pCi/L	—	NQ	GEL
Pueblo 3	—	6/21/2001	WS	F	CS	NA	Rad	H300	Uranium-238	—	0.188	0.0475	0.053	—	pCi/L	—	NQ	PARA
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Rad	H300	Uranium-238	—	0.288	0.0284	0.0415	—	pCi/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Rad	AS	Uranium-238	—	0.0758	0.0161	0.071	—	pCi/L	—	J	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Rad	AS	Uranium-238	—	0.0707	0.019	0.076	—	pCi/L	U	U	GELC
Pueblo 3	—	6/9/2004	WS	UF	DUP	—	Rad	AS	Uranium-238	—	0.0658	0.0153	0.059	—	pCi/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Rad	AS	Uranium-238	—	0.223	0.0357	0.068	—	pCi/L	—	J+	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Rad	H300	Uranium-238	—	0.0807	0.018	0.035	—	pCi/L	—	NQ	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	SV	8270	Bis(2-ethylhexyl)phthalate	—	5.03	—	—	2.04	µg/L	J	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	SV	625	Bis(2-ethylhexyl)phthalate	<	10.4	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	SV	625	Bis(2-ethylhexyl)phthalate	<	10.3	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	SV	625	Bis(2-ethylhexyl)phthalate	<	10.2	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	SV	8270	Bis(2-	—	4.9	—	—	1.4	µg/L	J	J	GEL

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
									ethylhexyl)phthalate									
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Voa	8260	Toluene	—	1.39	—	—	0.25	µg/L	—	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Voa	624	Toluene	—	2.6	—	—	—	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Voa	624	Toluene	—	2.9	—	—	—	µg/L	—	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FTB	Voa	624	Toluene	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Voa	624	Toluene	—	1.5	—	—	—	µg/L	—	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	FTB	Voa	624	Toluene	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Voa	8260	Toluene	<	1	—	—	0.39	µg/L	U	U	GEL
Pueblo 3	—	7/28/2006	WS	UF	CS	—	Voa	8260	Trichloroethane[1,1,1-]	—	0.468	—	—	0.3	µg/L	J	—	GELC
Pueblo 3	—	7/28/2006	WS	UF	CS	FTB	Voa	8260	Trichloroethane[1,1,1-]	<	1	—	—	0.3	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	—	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FD	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	6/9/2004	WS	UF	CS	FTB	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	—	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	7/29/2003	WS	UF	CS	FTB	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo 3	—	5/23/2002	WS	UF	CS	NA	Voa	8260	Trichloroethane[1,1,1-]	<	1	—	—	0.34	µg/L	U	U	GEL
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	159	—	—	0.725	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	156	—	—	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
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	197	—	—	1.45	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	145	—	—	1.45	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	148	—	—	0.725	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	144	—	—	0.725	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	153	—	—	0.725	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	152	—	—	0.725	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	5.36	—	—	0.1	mg/L	—	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	350.1	Ammonia as Nitrogen	—	4.9	—	—	0.1	mg/L	—	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	RE	—	Inorg	350.1	Ammonia as Nitrogen	—	4.09	—	—	0.1	mg/L	H	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	RE	FD	Inorg	350.1	Ammonia as Nitrogen	—	4.23	—	—	0.1	mg/L	H	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	4.69	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	350.1	Ammonia as Nitrogen	—	4.78	—	—	0.1	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
Pueblo above SR-502	—	10/25/2002	WS	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	12	—	—	0.6	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6010	Calcium	—	33	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6010	Calcium	—	32.1	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	200.7	Calcium	—	25.8	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Calcium	—	20.8	—	—	0.00823	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	200.7	Calcium	—	20.8	—	—	0.00823	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Calcium	—	21.4	—	—	0.0355	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Calcium	—	21.4	—	—	0.0355	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	6010	Calcium	—	32.4	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	6010	Calcium	—	32.8	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	200.7	Calcium	—	25.6	—	—	0.036	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	300	Chloride	—	58.6	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	300	Chloride	—	57.2	—	—	0.33	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	300	Chloride	—	44.1	—	—	0.265	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	300	Chloride	—	44.6	—	—	0.161	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	300	Chloride	—	43.1	—	—	0.125	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	300	Chloride	—	43.3	—	—	0.125	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	300	Chloride	—	57.5	—	—	0.33	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	300	Chloride	—	59.4	—	—	0.33	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	335.3	Cyanide (Total)	—	0.00194	—	—	0.0015	mg/L	J	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	9012	Cyanide (Total)	—	0.00508	—	—	0.0025	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.0036	—	—	0.0015	mg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	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
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00258	—	—	0.00172	mg/L	J	—	GELC
Pueblo above SR-502	—	10/25/2002	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00208	—	—	0.00172	mg/L	J	—	GELC
Pueblo above SR-502	—	10/25/2002	WS	UF	DUP	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Inorg	335.3	Cyanide (Total)	<	0.00289	—	—	0.00289	mg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Inorg	335.3	Cyanide (Total)	—	0.00295	—	—	0.00289	mg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	300	Fluoride	—	0.488	—	—	0.033	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	300	Fluoride	—	0.554	—	—	0.033	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	300	Fluoride	—	0.404	—	—	0.03	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	300	Fluoride	—	0.398	—	—	0.0553	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	300	Fluoride	—	0.419	—	—	0.014	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	300	Fluoride	—	0.395	—	—	0.014	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	300	Fluoride	—	0.513	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	300	Fluoride	—	0.521	—	—	0.033	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	A2340	Hardness	—	115	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	A2340	Hardness	—	112	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	A2340	Hardness	—	91.1	—	—	0.02	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Hardness	—	68.2	—	—	0.00823	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Hardness	—	75.5	—	—	0.112	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Hardness	—	75.4	—	—	0.112	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	A2340	Hardness	—	113	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	A2340	Hardness	—	115	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	A2340	Hardness	—	90.7	—	—	0.02	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6010	Magnesium	—	7.96	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6010	Magnesium	—	7.79	—	—	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
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	200.7	Magnesium	—	6.6	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Magnesium	—	3.97	—	—	0.00332	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	200.7	Magnesium	—	3.97	—	—	0.00332	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Magnesium	—	5.33	—	—	0.00453	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Magnesium	—	5.32	—	—	0.00453	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	6010	Magnesium	—	7.84	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	6010	Magnesium	—	7.93	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	200.7	Magnesium	—	6.61	—	—	0.085	mg/L	—	—	GELC
Pueblo above SR-502	—	10/25/2002	WS	UF	CS	—	Inorg	200.8	Magnesium	—	6.6	—	—	0.0056	mg/L	E	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	763	—	—	14	mg/L	—	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	791	—	—	14	mg/L	—	J	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.32	—	—	0.003	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
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.35	—	—	0.05	mg/L	—	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.3	—	—	0.0345	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	4.35	—	—	0.0345	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.78	—	—	0.014	mg/L	—	J+	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	674	—	—	14	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	314.0	Perchlorate	—	4.7	—	—	4	µg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	314.0	Perchlorate	—	4.81	—	—	4	µg/L	J	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	6850	Perchlorate	<	0.05	—	—	0.05	µg/L	U	UJ	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	150.1	pH	—	7.2	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	150.1	pH	—	7.25	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	150.1	pH	—	7.45	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	150.1	pH	—	7.38	—	—	—	SU	H	J	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	150.1	pH	—	7.38	—	—	—	SU	H	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	150.1	pH	—	7.41	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	150.1	pH	—	7.39	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	150.1	pH	—	6.97	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	150.1	pH	—	6.94	—	—	0.01	SU	H	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6010	Potassium	—	16.3	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6010	Potassium	—	16	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	200.7	Potassium	—	16.4	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Potassium	—	13.6	—	—	0.0372	mg/L	E	—	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
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	200.7	Potassium	—	13.7	—	—	0.0372	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Potassium	—	15.2	—	—	0.0107	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Potassium	—	15	—	—	0.0107	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	6010	Potassium	—	16	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	6010	Potassium	—	16.2	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	200.7	Potassium	—	16	—	—	0.05	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6010	Silicon Dioxide	—	74.2	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6010	Silicon Dioxide	—	72.1	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	200.7	Silicon Dioxide	—	72.8	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Silicon Dioxide	—	68.4	—	—	0.00568	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	200.7	Silicon Dioxide	—	67.7	—	—	0.00568	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Silicon Dioxide	—	82.9	—	—	0.0543	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
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Silicon Dioxide	—	79.5	—	—	0.0543	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	6010	Silicon Dioxide	—	71.5	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	72	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	200.7	Silicon Dioxide	—	71.3	—	—	0.032	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	6010	Sodium	—	74	—	—	0.045	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	6010	Sodium	—	71.6	—	—	0.045	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	200.7	Sodium	—	73.8	—	—	0.045	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	200.7	Sodium	—	60.9	—	—	0.02	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Inorg	200.7	Sodium	—	61.2	—	—	0.02	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	200.7	Sodium	—	71.7	—	—	0.00773	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	200.7	Sodium	—	71.5	—	—	0.00773	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	6010	Sodium	—	66.8	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	6010	Sodium	—	67.2	—	—	0.045	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	200.7	Sodium	—	72.2	—	—	0.045	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	120.1	Specific Conductance	—	589	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	120.1	Specific Conductance	—	585	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	9050	Specific Conductance	—	610	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	9050	Specific Conductance	—	533	—	—	1	uS/cm	—	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	9050	Specific Conductance	—	457	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	9050	Specific Conductance	—	465	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	120.1	Specific Conductance	—	571	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	120.1	Specific Conductance	—	574	—	—	1	uS/cm	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	300	Sulfate	—	17	—	—	0.1	mg/L	—	J+	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	300	Sulfate	—	17	—	—	0.1	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
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	300	Sulfate	—	20.4	—	—	0.057	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	300	Sulfate	—	20.2	—	—	0.193	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	300	Sulfate	—	37.4	—	—	0.062	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	300	Sulfate	—	37.4	—	—	0.062	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	300	Sulfate	—	17.3	—	—	0.1	mg/L	—	J+	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	300	Sulfate	—	17.2	—	—	0.1	mg/L	—	J+	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	—	15	—	—	1.43	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	160.2	Suspended Sediment Concentration	—	14	—	—	1.43	mg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Inorg	160.2	Suspended Sediment Concentration	—	35.2	—	—	2.28	mg/L	—	—	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	DUP	—	Inorg	160.2	Suspended Sediment Concentration	—	1030	—	—	6.37	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	401	—	—	2.38	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	406	—	—	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
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	374	—	—	2.38	mg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	337	—	—	3.07	mg/L	—	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	384	—	—	5.09	mg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	395	—	—	5.09	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	418	—	—	2.38	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	420	—	—	2.38	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	1.71	—	—	0.01	mg/L	—	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	2.13	—	—	0.01	mg/L	—	J, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	RE	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	2.58	—	—	0.01	mg/L	H	J, J-, R	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	RE	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	4.12	—	—	0.01	mg/L	H	J, J-	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	21.6	—	—	0.2	mg/L	—	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	6.18	—	—	0.1	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	5.38	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	9060	Total Organic Carbon	—	14.7	—	—	0.66	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	9060	Total Organic Carbon	—	13.5	—	—	0.66	mg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	7.2	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	—	7.25	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	8.43	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	—	8.41	—	—	0.1	mg/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Aluminum	—	56.2	—	—	14.4	µg/L	B	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Aluminum	—	55.1	—	—	14.4	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
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Aluminum	—	217	—	—	34.3	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Aluminum	—	145	—	—	34.3	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Aluminum	—	414	—	—	68	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Aluminum	—	408	—	—	68	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Aluminum	—	754	—	—	68	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Aluminum	—	12520	—	—	4.44	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Barium	—	32.3	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Barium	—	17.3	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Barium	—	18.4	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Barium	—	25.2	—	—	0.301	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Barium	—	25.2	—	—	0.301	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Barium	—	25.7	—	—	0.451	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
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Barium	—	24.7	—	—	0.451	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Barium	—	67.8	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Barium	—	69	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Barium	—	29.9	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Barium	—	153	—	—	0.0615	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Boron	—	301	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Boron	—	294	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Boron	—	308	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Boron	—	244	—	—	1.39	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Boron	—	248	—	—	1.39	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Boron	—	494	—	—	1.76	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Boron	—	442	—	—	1.76	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Boron	—	288	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Boron	—	291	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Boron	—	296	—	—	10	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Boron	—	8.4	—	—	0.4	mg/kg	B	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Cobalt	—	4.5	—	—	1	µg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Cobalt	—	4.2	—	—	1	µg/L	J	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Cobalt	—	2.3	—	—	1	µg/L	J	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Cobalt	—	0.839	—	—	0.762	µg/L	B	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Cobalt	—	0.915	—	—	0.762	µg/L	B	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Cobalt	<	0.968	—	—	0.968	µg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Cobalt	<	0.968	—	—	0.968	µg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Cobalt	—	4.1	—	—	1	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Cobalt	—	3.7	—	—	1	µg/L	J	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Cobalt	—	2.5	—	—	1	µg/L	J	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Cobalt	—	2.87	—	—	0.226	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Copper	—	4.5	—	—	3	µg/L	J	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Copper	—	5.34	—	—	1.8	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Copper	—	5.64	—	—	1.8	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Copper	—	11.5	—	—	1.93	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Copper	—	11.2	—	—	1.93	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Copper	—	3.9	—	—	3	µg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Copper	—	4.6	—	—	3	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
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Copper	—	7.5	—	—	3	µg/L	J	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Copper	—	41.5	—	—	0.104	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Iron	—	858	—	—	18	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Iron	—	141	—	—	18	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Iron	—	242	—	—	18	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Iron	—	232	—	—	14.9	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Iron	—	230	—	—	14.9	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Iron	—	215	—	—	4.6	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Iron	—	205	—	—	4.6	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Iron	—	2710	—	—	18	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Iron	—	2700	—	—	18	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Iron	—	906	—	—	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
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Iron	—	12060	—	—	8.11	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6020	Lead	—	0.63	—	—	0.5	µg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.8	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.8	Lead	—	0.763	—	—	0.05	µg/L	B	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.8	Lead	—	0.837	—	—	0.077	µg/L	B	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.8	Lead	—	0.82	—	—	0.077	µg/L	B	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6020	Lead	—	2.3	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6020	Lead	—	2.3	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.8	Lead	—	2	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	10/25/2002	WS	UF	CS	—	Met	200.8	Lead	—	15.7	—	—	0.05	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6020	Lead	—	23	—	—	0.0311	mg/kg	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Manganese	—	1440	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Manganese	—	1380	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Manganese	—	486	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Manganese	—	227	—	—	0.304	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Manganese	—	228	—	—	0.304	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Manganese	—	249	—	—	1.2	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Manganese	—	256	—	—	1.2	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Manganese	—	1490	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Manganese	—	1510	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Manganese	—	548	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Manganese	—	434	—	—	0.0991	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6020	Nickel	—	7.9	—	—	0.5	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6020	Nickel	—	8	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Nickel	<	3.4	—	—	1	µg/L	J	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Nickel	<	3.6	—	—	3.6	µg/L	U	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Nickel	<	3.6	—	—	3.6	µg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Nickel	<	2.53	—	—	1.2	µg/L	B	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Nickel	<	2.14	—	—	1.2	µg/L	B	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6020	Nickel	—	8	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6020	Nickel	—	8.7	—	—	0.5	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Nickel	<	3.1	—	—	1	µg/L	J	U	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Nickel	—	7.67	—	—	0.412	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Strontium	—	147	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Strontium	—	140	—	—	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
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Strontium	—	109	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Strontium	—	96.7	—	—	0.238	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Strontium	—	96.9	—	—	0.238	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Strontium	—	90.2	—	—	0.185	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Strontium	—	90.1	—	—	0.185	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Strontium	—	146	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Strontium	—	147	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Strontium	—	109	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Strontium	—	32.5	—	—	0.0378	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6020	Uranium	—	0.31	—	—	0.05	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6020	Uranium	—	0.31	—	—	0.05	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6020	Uranium	—	0.38	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6020	Uranium	—	0.43	—	—	0.05	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Vanadium	—	6.4	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Vanadium	—	6.4	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Vanadium	—	8	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Vanadium	—	9.06	—	—	0.732	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Vanadium	—	9.37	—	—	0.732	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Vanadium	—	35.1	—	—	1.04	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Vanadium	—	35.2	—	—	1.04	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Vanadium	—	7.2	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Vanadium	—	7.4	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Vanadium	—	8.6	—	—	1	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Vanadium	—	22.2	—	—	0.246	mg/kg	—	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Met	6010	Zinc	<	10.7	—	—	2	µg/L	—	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Met	6010	Zinc	<	9.7	—	—	2	µg/L	J	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Met	200.7	Zinc	—	20.3	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	CS	—	Met	200.7	Zinc	—	22.5	—	—	0.406	µg/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	F	DUP	—	Met	200.7	Zinc	—	23.2	—	—	0.406	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	—	Met	200.7	Zinc	—	32.3	—	—	3.34	µg/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	F	CS	FD	Met	200.7	Zinc	—	31.8	—	—	3.34	µg/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Met	6010	Zinc	—	14.8	—	—	2	µg/L	—	J+	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Met	6010	Zinc	—	15.2	—	—	2	µg/L	—	J+	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Met	200.7	Zinc	—	26.4	—	—	2	µg/L	—	—	GELC
Pueblo above SR-502	—	4/16/2002	WO	UF	CS	—	Met	6010	Zinc	—	95.5	—	—	0.539	mg/kg	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Americium-241	—	0.00498	0.00498	0.028	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Americium-241	—	-0.00198	0.00307	0.0307	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Americium-241	—	0	0.00507	0.033	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Americium-241	—	0.00391	0.00678	0.042	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Americium-241	—	-0.00743	0.0035	0.0227	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Americium-241	—	0.0105	0.00542	0.0225	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Americium-241	—	0.0148	0.00786	0.026	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Americium-241	—	0.854	0.149	0.44	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Americium-241	—	0.0145	0.00768	0.0378	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Americium-241	—	0.00495	0.00351	0.0388	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Cesium-137	—	0.489	1.26	4.68	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Cesium-137	—	1.5	0.972	3.83	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Cesium-137	—	-0.476	1.07	3.81	—	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
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Cesium-137	—	-0.106	1.59	5.88	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Cesium-137	—	-0.195	1.29	4.61	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Cesium-137	—	0.514	1.21	3.98	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Cesium-137	—	2.36	4.26	5.07	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Cesium-137	—	2.17	1.97	7.62	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Cesium-137	—	0.216	0.289	1.05	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Cesium-137	—	0.0303	0.73	1.04	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Cobalt-60	—	-0.0751	1.22	4.59	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Cobalt-60	—	0.824	1.13	4.44	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Cobalt-60	—	1.19	1.32	3.99	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Cobalt-60	—	-1.25	1.92	7.09	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Cobalt-60	—	1.36	1.12	4.52	—	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Cobalt-60	—	-1.43	1.21	3.49	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	4.73	1.61	6.31	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.27	2.21	8.05	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Cobalt-60	—	0.501	0.32	1.27	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Cobalt-60	—	-0.0191	0.292	1.07	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	900	Gross alpha	—	-0.342	0.577	2.95	—	pCi/L	U	J-, U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	900	Gross alpha	—	1.2	0.756	2.95	—	pCi/L	U	J-, U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	900	Gross alpha	—	0.48	0.447	1.55	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	900	Gross alpha	—	0.913	0.569	1.83	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	900	Gross alpha	—	1.33	0.561	1.76	—	pCi/L	U	J-, U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	900	Gross alpha	—	0.83	0.624	2.45	—	pCi/L	U	J-, U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	900	Gross alpha	—	2.24	0.622	1.62	—	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
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	900	Gross alpha	—	27.4	4.12	9.24	—	pCi/L	—	J-	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	DUP	—	Rad	900	Gross alpha	—	19.8	3.55	7.29	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	900	Gross alpha	—	1.22	0.599	1.89	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	900	Gross alpha	—	1.44	0.578	1.93	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	DUP	—	Rad	900	Gross alpha	—	1.57	0.593	1.94	—	pCi/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	900	Gross beta	—	13.5	1.15	2.39	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	900	Gross beta	—	14.6	1.16	2.09	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	900	Gross beta	—	19	1.25	3.03	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	900	Gross beta	—	12.3	1.02	2.53	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	900	Gross beta	—	13.7	1.23	2.67	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	900	Gross beta	—	16.2	1.26	2.41	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	900	Gross beta	—	13	0.692	1.4	—	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
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	900	Gross beta	—	45.2	8.35	29.9	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	DUP	—	Rad	900	Gross beta	—	39.4	7.98	29.1	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	900	Gross beta	—	14.6	0.836	2.25	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	900	Gross beta	—	15	0.828	2.16	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	DUP	—	Rad	900	Gross beta	—	16.7	1.27	2.59	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Gross gamma	—	84.6	83.4	297	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Gross gamma	—	92.1	68.9	301	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Gross gamma	—	82	70.5	208	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Gross gamma	—	131	3.01	502	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Gross gamma	—	284	161	630	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Gross gamma	—	84.1	56.3	315	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Gross gamma	—	82.8	4.33	358	—	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
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Gross gamma	—	106	3.92	558	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Gross gamma	—	33.2	0.515	104	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Gross gamma	—	39.4	0.555	110	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Neptunium-237	—	5.06	9.43	29.8	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Neptunium-237	—	-7.67	8.19	27.9	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Neptunium-237	—	12.9	6.84	24.5	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Neptunium-237	—	19.5	10.8	39.5	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Neptunium-237	—	11.4	9.26	33.1	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Neptunium-237	—	-18	9.12	26.3	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	4.91	12.3	29.2	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-7.5	17.6	54.5	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.16	2.09	7.3	—	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
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Neptunium-237	—	-0.839	2.15	6.94	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Plutonium-238	—	0.00682	0.00755	0.0218	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Plutonium-238	—	0.00829	0.00587	0.0199	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Plutonium-238	—	-0.00895	0.0127	0.093	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Plutonium-238	—	0.00405	0.00906	0.103	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0129	0.00746	0.0412	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.0118	0.0105	0.0379	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Plutonium-238	—	0.0508	0.0247	0.037	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Plutonium-238	—	0.0184	0.0319	0.468	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Plutonium-238	—	-0.00823	0.00825	0.408	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Plutonium-238	—	0	0.0386	0.459	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0341	0.011	0.0254	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.0476	0.0117	0.0232	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Plutonium-239/240	—	0.0447	0.018	0.078	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Plutonium-239/240	—	-0.0081	0.019	0.089	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0815	0.021	0.048	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Plutonium-239/240	—	0.122	0.0241	0.0442	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0642	0.0158	0.033	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Plutonium-239/240	—	2.93	0.28	0.406	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.266	0.0987	0.451	—	pCi/L	—	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Plutonium-239/240	—	0.0679	0.0555	0.507	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Potassium-40	—	51.8	17.3	72.9	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Potassium-40	—	34	22.6	39.2	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Potassium-40	—	35.1	23.1	36.1	—	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
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Potassium-40	—	47.7	22.9	97.2	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Potassium-40	—	89	42	34.5	—	pCi/L	UI	R	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Potassium-40	—	16.4	14.9	29	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Potassium-40	—	0	17.6	74.2	—	pCi/L	UUI	R	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Potassium-40	—	46.7	36	82.5	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Potassium-40	—	20.7	4.95	18.7	—	pCi/L	U	R	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Potassium-40	—	4.04	6.71	12.4	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	901.1	Sodium-22	—	0.221	1.46	5.46	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	901.1	Sodium-22	—	1.15	0.857	3.7	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	901.1	Sodium-22	—	-1.35	1.07	3.62	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	901.1	Sodium-22	—	2.65	1.67	5.35	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	901.1	Sodium-22	—	0.0272	1.22	4.46	—	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	901.1	Sodium-22	—	0.504	1.34	4.49	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	901.1	Sodium-22	—	-1.48	1.56	5.24	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	901.1	Sodium-22	—	2.36	2.03	8.54	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	901.1	Sodium-22	—	0.108	0.324	1.21	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	901.1	Sodium-22	—	0.334	0.289	1.13	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	905.0	Strontium-90	—	0.0184	0.0875	0.336	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	905.0	Strontium-90	—	0.014	0.0777	0.275	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	905.0	Strontium-90	—	0.577	0.0618	0.174	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	GFPC	Strontium-90	—	0.418	0.129	0.368	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	905.0	Strontium-90	—	0.259	0.096	0.302	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	905.0	Strontium-90	—	0.0776	0.0763	0.26	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	GFPC	Strontium-90	—	0.377	0.115	0.295	—	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
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	GFPC	Strontium-90	—	1.4	0.72	2.26	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0714	0.0471	0.189	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	GFPC	Strontium-90	—	0.0683	0.0428	0.177	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	DUP	FD	Rad	GFPC	Strontium-90	—	0.0946	0.0404	0.15	—	pCi/L	U	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Uranium-234	—	0.138	0.0179	0.0394	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Uranium-234	—	0.141	0.0186	0.0415	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Uranium-234	—	0.246	0.0292	0.082	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Uranium-234	—	0.18	0.0295	0.058	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Uranium-234	—	0.181	0.0207	0.0374	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Uranium-234	—	0.136	0.0184	0.0395	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Uranium-234	—	0.326	0.038	0.069	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Uranium-234	—	3.15	0.576	1.59	—	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
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Uranium-234	—	0.208	0.0253	0.0189	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Uranium-234	—	0.205	0.0298	0.0422	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Uranium-235/236	—	0	0.0033	0.0332	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0148	0.00608	0.035	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Uranium-235/236	—	0.0135	0.00901	0.05	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Uranium-235/236	—	0.0031	0.00932	0.05	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0199	0.00674	0.0315	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.014	0.00579	0.0333	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Uranium-235/236	—	0.021	0.0091	0.04	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Uranium-235/236	—	0.513	0.273	1.39	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Uranium-235/236	—	0.00817	0.0058	0.019	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Uranium-235/236	—	0.0225	0.0121	0.0369	—	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
Pueblo above SR-502	—	7/28/2006	WP	F	CS	—	Rad	H300	Uranium-238	—	0.113	0.016	0.0419	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	F	CS	FD	Rad	H300	Uranium-238	—	0.117	0.0167	0.0441	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	5/2/2005	WS	F	CS	—	Rad	H300	Uranium-238	—	0.154	0.0231	0.058	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	10/28/2002	WS	F	CS	—	Rad	AS	Uranium-238	—	0.155	0.0256	0.065	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Rad	H300	Uranium-238	—	0.104	0.0149	0.0398	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Rad	H300	Uranium-238	—	0.0984	0.015	0.042	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Rad	AS	Uranium-238	—	0.242	0.0312	0.044	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	10/28/2002	WS	UF	CS	—	Rad	AS	Uranium-238	—	0.937	0.414	1.78	—	pCi/L	U	U	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Rad	AS	Uranium-238	—	0.128	0.0184	0.00552	—	pCi/L	—	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Rad	AS	Uranium-238	—	0.121	0.0224	0.0396	—	pCi/L	—	J	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	—	Voa	8260	Trichloroethane[1,1,1-]	—	0.419	—	—	0.3	µg/L	J	—	GELC
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FD	Voa	8260	Trichloroethane[1,1,1-]	<	1	—	—	0.3	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
Pueblo above SR-502	—	7/28/2006	WP	UF	CS	FTB	Voa	8260	Trichloroethane[1,1,1-]	<	1	—	—	0.3	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	—	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	5/2/2005	WS	UF	CS	FTB	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	—	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	12/17/2003	WS	UF	CS	FTB	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	—	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FD	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
Pueblo above SR-502	—	4/30/2002	WS	UF	CS	FTB	Voa	624	Trichloroethane[1,1,1-]	<	1	—	—	—	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	65.6	—	—	0.725	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	63.7	—	—	0.725	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	61.6	—	—	1.45	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	60.5	—	—	1.45	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	65.6	—	—	0.725	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	2.07	—	—	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-2	918	7/24/2006	WG	F	CS	—	Inorg	6010	Calcium	—	10.2	—	—	0.036	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	6010	Calcium	—	10.3	—	—	0.036	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	9.95	—	—	0.036	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	6010	Calcium	—	9.15	—	—	0.036	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	10.6	—	—	0.036	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	10.5	—	—	0.036	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	9.79	—	—	0.036	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	9.5	—	—	0.036	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	15.2	—	—	0.89	mg/L	—	J+	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	300	Chloride	—	2.15	—	—	0.066	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	300	Chloride	—	2.15	—	—	0.053	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	2.09	—	—	0.053	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	300	Chloride	—	2.16	—	—	0.053	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	300	Chloride	—	2.18	—	—	0.066	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.059	—	—	0.053	mg/L	J	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.291	—	—	0.033	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.318	—	—	0.03	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.293	—	—	0.03	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.203	—	—	0.03	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.304	—	—	0.033	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.044	—	—	0.03	mg/L	J	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	36.7	—	—	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-2	918	2/27/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	37.5	—	—	0.085	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	38.6	—	—	0.085	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	38	—	—	0.085	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.74	—	—	0.085	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.83	—	—	0.085	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	2.67	—	—	0.085	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	2.43	—	—	0.085	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.95	—	—	0.085	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.89	—	—	0.085	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.75	—	—	0.085	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.65	—	—	0.085	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.395	—	—	0.014	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.455	—	—	0.017	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.378	—	—	0.017	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.324	—	—	0.017	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.368	—	—	0.014	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.017	—	—	0.017	mg/L	U	R	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.344	—	—	0.017	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.262	—	—	0.017	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.375	—	—	0.05	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.8	—	—	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-2	918	7/24/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	16.5	—	—	0.045	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	18.7	—	—	0.045	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.0748	—	—	0.045	mg/L	J	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	17.2	—	—	0.045	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	20.4	—	—	0.045	mg/L	N	J+	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	156	—	—	1	uS/cm	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	146	—	—	1	uS/cm	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	166	—	—	1	uS/cm	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	2.33	—	—	1	uS/cm	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.59	—	—	0.1	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.48	—	—	0.057	mg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	2.51	—	—	0.057	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	300	Sulfate	—	2.36	—	—	0.057	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	2.65	—	—	0.1	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.158	—	—	0.057	mg/L	J	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	165	—	—	2.38	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	160	—	—	2.38	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	170	—	—	2.38	mg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	2.38	—	—	2.38	mg/L	U	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.556	—	—	0.33	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-2	918	11/9/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.748	—	—	0.074	mg/L	J	J-	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.955	—	—	0.074	mg/L	—	J-	GELC
R-2	918	4/26/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.72	—	—	0.074	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.02	—	—	0.01	mg/L	J	J-, JN-	GELC
R-2	918	2/27/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.072	—	—	0.01	mg/L	—	U	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.06	—	—	0.01	mg/L	—	U	GELC
R-2	918	11/9/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	UJ	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.054	—	—	0.01	mg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	UJ	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.018	—	—	0.01	mg/L	J	J-, JN-	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.051	—	—	0.01	mg/L	—	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.075	—	—	0.01	mg/L	—	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.077	—	—	0.01	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	12.8	—	—	1.43	mg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Aluminum	—	115	—	—	68	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	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-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Aluminum	—	800	—	—	68	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Aluminum	—	278	—	—	68	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Aluminum	—	914	—	—	68	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Aluminum	—	1010	—	—	68	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Barium	—	14.1	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Barium	—	15.5	—	—	1	µg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Barium	—	15.3	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Barium	—	13.7	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Barium	—	17.6	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Barium	—	17.7	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Barium	—	19.5	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Barium	—	21.8	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Boron	—	17	—	—	10	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Boron	—	17.7	—	—	10	µg/L	J	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Boron	—	16.8	—	—	10	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Boron	—	17	—	—	10	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Boron	—	17.3	—	—	10	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Boron	—	16.9	—	—	10	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Boron	—	15.6	—	—	10	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Boron	—	17.2	—	—	10	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6020	Chromium	—	6.9	—	—	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
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Chromium	—	4.3	—	—	1	µg/L	J	JN-	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Chromium	—	4.7	—	—	1	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Chromium	—	3.7	—	—	1	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6020	Chromium	—	9.3	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Chromium	—	6.5	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Chromium	<	1	—	—	1	µg/L	U	UJ	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Chromium	—	12.4	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Chromium	—	10.9	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Cobalt	—	2.6	—	—	1	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Cobalt	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Copper	—	5.8	—	—	3	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Copper	—	4.6	—	—	3	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	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-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4.6	—	—	3	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Copper	—	4	—	—	3	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Iron	—	46.6	—	—	18	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Iron	—	20.5	—	—	18	µg/L	J	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U*	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Iron	—	314	—	—	18	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Iron	—	151	—	—	18	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Iron	—	374	—	—	18	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Iron	—	475	—	—	18	µg/L	*	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6020	Lead	—	1	—	—	0.5	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6020	Lead	—	0.68	—	—	0.5	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6020	Lead	—	0.96	—	—	0.5	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6020	Lead	—	1.1	—	—	0.5	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Manganese	—	9.1	—	—	2	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Manganese	—	14.9	—	—	2	µg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6020	Manganese	—	19.9	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6020	Manganese	—	22.9	—	—	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
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Manganese	—	7.2	—	—	2	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Manganese	—	15.7	—	—	2	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	23.6	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6020	Manganese	—	27.3	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3.4	—	—	2	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Molybdenum	<	2.5	—	—	2	µg/L	J	U	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	2.6	—	—	0.1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6020	Molybdenum	—	2.7	—	—	0.1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Molybdenum	<	3.1	—	—	2	µg/L	J	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.6	—	—	0.1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.7	—	—	0.1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6020	Nickel	—	1.4	—	—	0.5	µg/L	J	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Nickel	<	1.9	—	—	1	µg/L	J	U	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Nickel	—	2.7	—	—	1	µg/L	J	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.1	—	—	0.5	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.2	—	—	0.5	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Nickel	<	5.5	—	—	1	µg/L	—	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Nickel	—	5.3	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Strontium	—	48.3	—	—	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-2	918	2/27/2006	WG	F	CS	—	Met	6010	Strontium	—	51.5	—	—	1	µg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Strontium	—	50.2	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Strontium	—	46	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Strontium	—	51.2	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Strontium	—	53	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	51	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Strontium	—	51	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6020	Uranium	—	0.44	—	—	0.05	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6020	Uranium	—	0.43	—	—	0.05	µg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6020	Uranium	—	0.57	—	—	0.05	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6020	Uranium	—	0.45	—	—	0.05	µg/L	—	J-	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.65	—	—	0.05	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.63	—	—	0.05	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.84	—	—	0.05	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.86	—	—	0.05	µg/L	—	J-	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Vanadium	—	8.5	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Vanadium	—	9.1	—	—	1	µg/L	—	—	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	8.8	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Vanadium	—	8.2	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Vanadium	—	8.9	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Vanadium	—	9.3	—	—	1	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	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-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	8.6	—	—	1	µg/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Vanadium	—	8.1	—	—	1	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Met	6010	Zinc	<	8	—	—	2	µg/L	J	U	GELC
R-2	918	2/27/2006	WG	F	CS	—	Met	6010	Zinc	<	7.3	—	—	2	µg/L	J	U	GELC
R-2	918	11/9/2005	WG	F	CS	—	Met	6010	Zinc	—	5.6	—	—	2	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	F	CS	—	Met	6010	Zinc	<	7.4	—	—	2	µg/L	J	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Met	6010	Zinc	—	13.5	—	—	2	µg/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Met	6010	Zinc	<	10	—	—	2	µg/L	—	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Met	6010	Zinc	<	2.3	—	—	2	µg/L	J	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	9.4	—	—	2	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Met	6010	Zinc	—	11.1	—	—	2	µg/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00967	0.0083	0.0253	—	pCi/L	U	JN-, U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00727	0.0117	0.0276	—	pCi/L	U	JN-, U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00574	0.00585	0.0378	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.00674	0.00817	0.0384	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.0035	0.00318	0.0355	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0108	0.0154	0.069	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.92	1	3.54	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.307	0.926	3.2	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	2.14	0.932	3.71	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	0.871	0.999	3.74	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.0243	0.681	2.43	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.07	1.24	4.71	—	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-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.108	0.957	3.07	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.88	0.876	3.73	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.535	1.14	4.18	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.06	0.868	3.7	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.03	0.739	2.47	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.124	1.24	4.69	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.893	0.518	1.89	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.31	0.751	2.25	—	pCi/L	—	J	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	6.42	0.944	1.27	—	pCi/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.715	0.433	1.68	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	900	Gross beta	—	0.566	0.707	2.93	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	900	Gross beta	—	2.31	0.769	2.94	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.1	0.749	2.4	—	pCi/L	—	J	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	1.47	0.615	2.35	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	98.1	62.2	267	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	71.6	69.2	287	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	71.1	76.9	268	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	65.3	64.5	189	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-4.81	8.15	24.8	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	3.71	7.63	24.1	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-8.01	7.62	25.9	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	0.74	6.68	23.6	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.000000021	0.0103	0.0211	—	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-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00705	0.0143	0.0226	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0138	0.012	0.041	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	-0.00247	0.00956	0.0296	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0013	0.00638	0.0432	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0193	0.0118	0.05	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.0022	0.00793	0.0246	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0047	0.00665	0.0263	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0138	0.00977	0.045	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	-0.00987	0.00924	0.0325	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.016	0.00986	0.0364	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0145	0.00836	0.042	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	20.3	16.9	32.9	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	2.92	17.9	27.7	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	29.7	11.7	48.6	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	30.6	11.1	48.7	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	33.7	8.04	34	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	-0.53	11.8	44.8	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.507	1.06	3.31	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.0317	0.839	3.11	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.884	0.944	3.66	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	-0.736	0.786	2.83	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.66	0.713	2.45	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.355	1.29	4.56	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.127	0.0852	0.44	—	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-2	918	7/24/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.108	0.114	0.496	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0217	0.0596	0.291	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	-0.0341	0.0891	0.421	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0571	0.0756	0.345	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.101	0.0912	0.312	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.417	0.0384	0.0433	—	pCi/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.586	0.0504	0.0467	—	pCi/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.438	0.0477	0.0931	—	pCi/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.0233	0.0165	0.124	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.493	0.0448	0.0929	—	pCi/L	—	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.544	0.0478	0.083	—	pCi/L	—	—	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00769	0.0068	0.0365	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0249	0.0108	0.0394	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.0253	0.015	0.0451	—	pCi/L	U	U	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0096	0.0136	0.06	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0188	0.00999	0.0699	—	pCi/L	U	U	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0101	0.00891	0.062	—	pCi/L	U	U	GELC
R-2	918	7/24/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.162	0.0209	0.046	—	pCi/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.228	0.0264	0.0496	—	pCi/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.164	0.0276	0.0522	—	pCi/L	—	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.0272	0.013	0.0694	—	pCi/L	U	U	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.183	0.0248	0.0658	—	pCi/L	—	J	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.286	0.0322	0.059	—	pCi/L	—	—	GELC
R-2	918	7/24/2006	WG	UF	CS	—	Voa	8260	Toluene	—	1	—	—	0.25	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-2	918	7/24/2006	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	2/27/2006	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	EQB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	FB	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-2	918	11/9/2005	WG	UF	CS	FTB	Voa	8260	Toluene	—	0.459	—	—	0.25	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	—	Voa	8260	Toluene	—	0.81	—	—	—	µg/L	J	—	GELC
R-2	918	8/9/2005	WG	UF	CS	EQB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	UF	CS	FB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-2	918	8/9/2005	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.815	—	—	0.725	mg/L	J	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3	—	0.877	—	—	0.725	mg/L	J	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.12	—	—	0.725	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.851	—	—	0.725	mg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.914	—	—	0.725	mg/L	J	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3	—	0.804	—	—	0.725	mg/L	J	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	110	—	—	0.725	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	111	—	—	0.725	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	118	—	—	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-24	825	3/6/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	115	—	—	0.725	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	105	—	—	1.45	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	110	—	—	0.725	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	108	—	—	0.725	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.53	—	—	0.725	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.04	—	—	0.725	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6010	Calcium	—	20.5	—	—	0.036	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	20.9	—	—	0.036	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	6010	Calcium	—	19.6	—	—	0.036	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17.9	—	—	0.036	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	6010	Calcium	—	17.4	—	—	0.036	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	20.2	—	—	0.036	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	20.1	—	—	0.036	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	21.1	—	—	0.036	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	18.6	—	—	0.036	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	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-24	825	11/15/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	17.8	—	—	0.036	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	38.4	—	—	8.9	mg/L	J	J, JN-	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand	—	197	—	—	8.9	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.53	—	—	0.066	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	300	Chloride	—	7.57	—	—	0.066	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.59	—	—	0.066	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.27	—	—	0.053	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	300	Chloride	—	6.96	—	—	0.053	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	300	Chloride	—	7.64	—	—	0.066	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	7.55	—	—	0.066	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.156	—	—	0.066	mg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.341	—	—	0.033	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.354	—	—	0.033	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.397	—	—	0.033	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.397	—	—	0.03	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-24	825	11/15/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.366	—	—	0.03	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.339	—	—	0.033	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.347	—	—	0.033	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.047	—	—	0.033	mg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	66.7	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	67.9	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	64.1	—	—	0.085	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	59.5	—	—	0.085	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	A2340	Hardness	—	57.8	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	65.8	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	65.1	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	68.7	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	61.5	—	—	0.085	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	59	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.75	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	3.82	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.66	—	—	0.085	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.56	—	—	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-24	825	11/15/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	3.49	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.7	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	3.66	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.92	—	—	0.085	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.68	—	—	0.085	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.56	—	—	0.085	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.305	—	—	0.014	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.299	—	—	0.014	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.206	—	—	0.014	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.299	—	—	0.017	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.312	—	—	0.017	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.297	—	—	0.014	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.306	—	—	0.014	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.014	—	—	0.014	mg/L	U	R	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.033	—	—	0.017	mg/L	J	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.305	—	—	0.017	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.323	—	—	0.05	µg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	UJ	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	0.308	—	—	0.05	µg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	UJ	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.56	—	—	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-24	825	7/27/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.84	—	—	0.01	SU	H	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.95	—	—	0.01	SU	H	J	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.63	—	—	0.01	SU	H	J	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.89	—	—	0.01	SU	H	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.88	—	—	0.01	SU	H	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.53	—	—	0.01	SU	H	J	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	4.64	—	—	0.01	SU	H	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.39	—	—	0.05	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	3.45	—	—	0.05	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.33	—	—	0.05	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.23	—	—	0.05	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	6010	Potassium	—	3.29	—	—	0.05	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.35	—	—	0.05	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	3.33	—	—	0.05	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.47	—	—	0.05	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.31	—	—	0.05	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	3.35	—	—	0.05	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.6	—	—	0.032	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	55.9	—	—	0.032	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.5	—	—	0.032	mg/L	—	J	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	59.1	—	—	0.032	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	59.4	—	—	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-24	825	7/27/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	54.3	—	—	0.032	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	53.7	—	—	0.032	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.032	—	—	0.032	mg/L	U	R, UJ	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.032	—	—	0.032	mg/L	U	R	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	59.6	—	—	0.032	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	6010	Sodium	—	30.9	—	—	0.045	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	31.5	—	—	0.045	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	6010	Sodium	—	32.7	—	—	0.045	mg/L	—	J	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	6010	Sodium	—	37.9	—	—	0.045	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	6010	Sodium	—	33.1	—	—	0.045	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	30.5	—	—	0.045	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	30.4	—	—	0.045	mg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	34.7	—	—	0.045	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	mg/L	U	UJ	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	39.3	—	—	0.045	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.0493	—	—	0.045	mg/L	J	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	35.1	—	—	0.045	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	263	—	—	1	uS/cm	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	267	—	—	1	uS/cm	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	317	—	—	1	uS/cm	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	312	—	—	1	uS/cm	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	266	—	—	1	uS/cm	—	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-24	825	7/27/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	265	—	—	1	uS/cm	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	5.28	—	—	1	uS/cm	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.78	—	—	1	uS/cm	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	300	Sulfate	—	9.03	—	—	0.1	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	9.17	—	—	0.1	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12.3	—	—	0.1	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12.4	—	—	0.057	mg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Inorg	300	Sulfate	—	10.9	—	—	0.057	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	9.15	—	—	0.1	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	9.06	—	—	0.1	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.283	—	—	0.1	mg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	189	—	—	2.38	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	192	—	—	2.38	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	204	—	—	2.38	mg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	216	—	—	2.38	mg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	192	—	—	2.38	mg/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	191	—	—	2.38	mg/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	6	—	—	2.38	mg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved	—	7	—	—	2.38	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
									Solids									
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.542	—	—	0.33	mg/L	J	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	—	0.528	—	—	0.33	mg/L	J	J	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.13	—	—	0.074	mg/L	—	J-	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	<	0.713	—	—	0.713	mg/L	U	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Inorg	160.2	Total Suspended Solids	—	1	—	—	0.713	mg/L	J	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Arsenic	—	6.2	—	—	6	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Arsenic	<	6	—	—	6	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Barium	—	87.9	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Barium	—	90.7	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Barium	—	106	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Barium	—	105	—	—	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-24	825	11/15/2005	WG	F	CS	—	Met	6010	Barium	—	96.3	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Barium	—	87.4	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Barium	—	86.9	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Barium	—	111	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Barium	—	109	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Barium	—	99.5	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Boron	—	56.3	—	—	10	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Boron	—	56.9	—	—	10	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Boron	—	61.2	—	—	10	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Boron	—	64	—	—	10	µg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Boron	—	53.9	—	—	10	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Boron	—	55.7	—	—	10	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Boron	—	54.8	—	—	10	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Boron	—	63.9	—	—	10	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Boron	—	65.2	—	—	10	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Boron	—	55.2	—	—	10	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6020	Chromium	—	5	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6020	Chromium	—	4.6	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Chromium	—	1.5	—	—	1	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-24	825	11/15/2005	WG	F	CS	—	Met	6010	Chromium	—	3.5	—	—	1	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6020	Chromium	—	4.7	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6020	Chromium	—	4.8	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Chromium	—	2.9	—	—	1	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Chromium	—	1.2	—	—	1	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Chromium	—	3.2	—	—	1	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Copper	—	5.1	—	—	3	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Copper	—	5.1	—	—	3	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Copper	—	6.9	—	—	3	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Copper	—	7.1	—	—	3	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Copper	—	7.2	—	—	3	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Iron	—	25.2	—	—	18	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Iron	<	32.5	—	—	18	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-24	825	11/15/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Iron	—	49.7	—	—	18	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Iron	—	32.6	—	—	18	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Iron	—	43.1	—	—	18	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Iron	<	34.3	—	—	18	µg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Iron	—	104	—	—	18	µg/L	—	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Iron	—	27.4	—	—	18	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Manganese	—	6.6	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Manganese	—	6.4	—	—	2	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Manganese	—	90.5	—	—	2	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Manganese	—	122	—	—	2	µg/L	—	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Manganese	—	107	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Manganese	—	6.6	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Manganese	—	6.3	—	—	2	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Manganese	—	96.7	—	—	2	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Manganese	—	129	—	—	2	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Manganese	—	112	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Molybdenum	—	5	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Molybdenum	—	5.4	—	—	2	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Molybdenum	—	7.4	—	—	2	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Molybdenum	—	6.2	—	—	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-24	825	11/15/2005	WG	F	CS	—	Met	6010	Molybdenum	—	6.5	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	4.5	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Molybdenum	—	4.6	—	—	2	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	8.9	—	—	2	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	5.9	—	—	2	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Molybdenum	—	7.4	—	—	2	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6020	Nickel	—	1.7	—	—	0.5	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.8	—	—	0.5	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6020	Nickel	—	0.92	—	—	0.5	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.1	—	—	0.5	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6020	Nickel	—	2.1	—	—	0.5	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.4	—	—	0.5	µg/L	J	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6020	Nickel	—	1.4	—	—	0.5	µg/L	J	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Strontium	—	117	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Strontium	—	119	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Strontium	—	116	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Strontium	—	106	—	—	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-24	825	11/15/2005	WG	F	CS	—	Met	6010	Strontium	—	103	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Strontium	—	116	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Strontium	—	114	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Strontium	—	123	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Strontium	—	110	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Strontium	—	105	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6020	Uranium	—	2.1	—	—	0.05	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6020	Uranium	—	2.1	—	—	0.05	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6020	Uranium	—	2.1	—	—	0.05	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6020	Uranium	—	3.4	—	—	0.05	µg/L	N	J+	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6020	Uranium	—	2.9	—	—	0.05	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.1	—	—	0.05	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6020	Uranium	—	2.2	—	—	0.05	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.1	—	—	0.05	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6020	Uranium	—	3.5	—	—	0.05	µg/L	N	J+	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	UN	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6020	Uranium	—	3	—	—	0.05	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Vanadium	—	18.2	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Vanadium	—	18.7	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Vanadium	—	9.6	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Vanadium	—	18.9	—	—	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
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Vanadium	—	22.9	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Vanadium	—	17.9	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	17.7	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Vanadium	—	9.4	—	—	1	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Vanadium	—	17.7	—	—	1	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Vanadium	—	22.3	—	—	1	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Met	6010	Zinc	—	30.7	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Met	6010	Zinc	—	33.1	—	—	2	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	F	CS	—	Met	6010	Zinc	—	13.6	—	—	2	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	F	CS	—	Met	6010	Zinc	<	14.2	—	—	2	µg/L	*	J, U	GELC
R-24	825	11/15/2005	WG	F	CS	—	Met	6010	Zinc	—	24.3	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Met	6010	Zinc	—	40.1	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Met	6010	Zinc	—	38	—	—	2	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Met	6010	Zinc	—	45	—	—	2	µg/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Met	6010	Zinc	<	2.4	—	—	2	µg/L	J	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Met	6010	Zinc	<	27.7	—	—	2	µg/L	*	J, U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Met	6010	Zinc	—	6.8	—	—	2	µg/L	J*	J	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Met	6010	Zinc	—	40.2	—	—	2	µg/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00617	0.00806	0.0219	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	0.00766	0.00845	0.0212	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00313	0.0123	0.0242	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.0125	0.00789	0.0204	—	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-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.0132	0.00533	0.0289	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	-0.00773	0.008	0.0306	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00373	0.00295	0.031	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.00642	0.00544	0.0312	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00264	0.00481	0.0332	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.101	1.02	3.61	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.104	0.829	3.06	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.343	1.07	4.05	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	-0.878	1.06	3.7	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.29	1.47	5.35	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	-0.71	1.24	3.27	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.644	0.986	3.66	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	0.559	1.08	3.93	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.3	0.854	2.88	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.712	1.24	4.14	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.323	0.908	3.34	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.956	0.879	3.14	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	-1.55	1.24	4.2	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.469	1.44	4.48	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	-0.267	0.949	3	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.21	0.917	3.51	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.67	0.947	3.84	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.0273	1.08	4.01	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.24	0.446	1.37	—	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-24	825	7/27/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	1.64	0.515	1.4	—	pCi/L	—	J, J-	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.966	0.429	1.5	—	pCi/L	U	J-, U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	2.56	0.588	1.37	—	pCi/L	—	J, J-	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.21	0.633	1.79	—	pCi/L	—	J, J-	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.333	0.34	1.44	—	pCi/L	U	J-, U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	4.94	1.36	2.28	—	pCi/L	—	J	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.284	0.401	1.87	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	0.207	0.318	1.49	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	900	Gross beta	—	2	0.494	1.7	—	pCi/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	900	Gross beta	—	1.72	0.477	1.68	—	pCi/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	900	Gross beta	—	1.93	0.471	1.6	—	pCi/L	—	J	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	2.39	0.508	1.68	—	pCi/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.78	0.793	2.81	—	pCi/L	—	J	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	0.664	0.594	2.38	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	900	Gross beta	—	5.09	0.881	2.98	—	pCi/L	—	J	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	0.0169	0.623	2.44	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	900	Gross beta	—	6.06	0.904	3.05	—	pCi/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	81.1	129	326	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Gross gamma	—	68	57.4	239	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	86.8	82.1	265	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	86.2	68.7	334	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	64	68.9	256	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	69.9	51.9	232	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	66.1	65.8	220	—	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-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	86	59.7	318	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	121	99.9	325	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-2.24	5.41	17.4	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Neptunium-237	—	-10.9	6.09	18.8	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	7.56	8.28	30	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	7.19	8.06	28.5	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-0.395	6.06	18.8	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	4.84	9.92	23.6	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.21	7.46	25.4	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	7.3	9.99	27.7	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.78	6.67	23	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00187	0.00855	0.0179	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.0166	0.00858	0.0228	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00819	0.00916	0.0197	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.00597	0.00771	0.0191	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00272	0.00982	0.0327	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	-0.0039	0.00827	0.0234	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0	0.00287	0.0345	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0.00396	0.00281	0.0238	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0025	0.0149	0.0488	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.00000000178	0.00698	0.0209	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.00000000113	0.00671	0.0266	—	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-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00614	0.00938	0.0229	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	4.75E-10	0.00488	0.0223	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00816	0.0112	0.0358	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0	0.00616	0.0257	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00287	0.0076	0.0378	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00594	0.00444	0.0261	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.000517	0.00814	0.0411	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	25.9	22.3	44.7	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Potassium-40	—	23.2	9.74	40.6	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	47.3	14.6	65.8	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	3.28	16.9	54	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	47	24.2	49.5	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	-10.3	11.7	35.3	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	25	11.6	47.2	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	33.6	11.8	51.1	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.8	14.3	48.6	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.651	1.15	3.44	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	901.1	Sodium-22	—	0.809	0.799	3.13	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-1.98	1.1	3.6	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-0.368	1.32	4.81	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.02	2.35	5.44	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	-0.153	1.18	3.24	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.438	1.07	4.07	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	0.896	1.13	3.99	—	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-24	825	11/15/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.683	1.03	3.67	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.0928	0.0911	0.444	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	905.0	Strontium-90	—	-0.0479	0.0824	0.393	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0109	0.0866	0.398	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	-0.00605	0.0886	0.402	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.199	0.0505	0.218	—	pCi/L	U	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	-0.0196	0.0588	0.234	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0474	0.1	0.513	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	-0.11	0.0675	0.319	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0406	0.0807	0.411	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.23	0.0947	0.0575	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Uranium-234	—	1.19	0.0899	0.0527	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.2	0.087	0.0471	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	1.19	0.106	0.0872	—	pCi/L	—	J+	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.35	0.114	0.121	—	pCi/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0	0.0072	0.0726	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.97	0.133	0.0739	—	pCi/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.00477	0.00893	0.0761	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.72	0.0988	0.0843	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0341	0.0138	0.0485	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	-0.0375	0.0183	0.0444	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0335	0.012	0.0397	—	pCi/L	U	U	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	-0.0103	0.0231	0.0736	—	pCi/L	U	J+, U	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.047	0.0223	0.0588	—	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-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.00281	0.00629	0.0352	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.109	0.0192	0.0358	—	pCi/L	—	J	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0177	0.0084	0.0369	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0649	0.018	0.0635	—	pCi/L	—	J	GELC
R-24	825	7/27/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.593	0.0544	0.0612	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.664	0.0581	0.056	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.697	0.0569	0.0501	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.673	0.0712	0.0928	—	pCi/L	—	J+	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.723	0.0715	0.068	—	pCi/L	—	—	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.00228	0.00394	0.0407	—	pCi/L	U	U	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	1.1	0.0816	0.0414	—	pCi/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.0119	0.00635	0.0426	—	pCi/L	U	U	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.962	0.0655	0.0597	—	pCi/L	—	—	GELC
R-24	825	7/27/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
R-24	825	7/27/2006	WG	UF	CS	FD	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
R-24	825	7/27/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	1.35	—	—	1.25	µg/L	J	J, J+	GELC
R-24	825	5/10/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.29	—	—	1.25	µg/L	J	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FB	Voa	8260	Acetone	<	15.3	—	—	1.25	µg/L	—	U	GELC
R-24	825	5/10/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	6.1	—	—	1.25	µg/L	—	—	GELC
R-24	825	3/6/2006	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
R-24	825	3/6/2006	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	—	GELC
R-24	825	11/15/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
R-24	825	11/15/2005	WG	UF	CS	EQB	Voa	8260	Acetone	<	5	—	—	1.25	µg/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-24	825	11/15/2005	WG	UF	CS	FB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
R-24	825	11/15/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	1.25	µg/L	U	R	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	64	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71.9	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	73.5	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	1.45	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	62.6	—	—	1.45	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	64	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	2.07	—	—	0.725	mg/L	—	UJ	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	64	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	2.59	—	—	0.725	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.066	—	—	0.01	mg/L	—	JN-, U	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	350.1	Ammonia as Nitrogen	<	0.047	—	—	0.01	mg/L	J	JN-, U	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	350.1	Ammonia as Nitrogen	<	0.05	—	—	0.05	mg/L	U	R, UJ	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	350.1	Ammonia as	<	0.01	—	—	0.01	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
									Nitrogen									
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.036	—	—	0.01	mg/L	J	JN-, U	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	—	0.038	—	—	0.01	mg/L	J	JN-	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	350.1	Ammonia as Nitrogen	<	0.076	—	—	0.01	mg/L	—	JN-, U	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.05	—	—	0.05	mg/L	U	R, UJ	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	<	0.05	—	—	0.05	mg/L	U	R, UJ	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	350.1	Ammonia as Nitrogen	<	0.05	—	—	0.05	mg/L	U	R, UJ	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6010	Calcium	—	15.9	—	—	0.036	mg/L	N	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	17	—	—	0.036	mg/L	N	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	6010	Calcium	—	18.9	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	19	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	6010	Calcium	—	17.6	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	6010	Calcium	—	17.3	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.1	—	—	0.036	mg/L	N	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	UN	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	17.2	—	—	0.036	mg/L	N	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	19.5	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	19.3	—	—	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-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	17.7	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	17.4	—	—	0.036	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	<	0.89	—	—	0.89	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	410.4	Chemical Oxygen Demand	—	10.9	—	—	0.89	mg/L	—	J+	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand	<	6.2	—	—	0.89	mg/L	—	J+, U	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.16	—	—	0.066	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	300	Chloride	—	5.18	—	—	0.066	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	300	Chloride	—	4.67	—	—	0.053	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	300	Chloride	—	4.71	—	—	0.053	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	300	Chloride	—	4.99	—	—	0.053	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	300	Chloride	—	5.29	—	—	0.053	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.12	—	—	0.066	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.066	—	—	0.066	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	5.11	—	—	0.066	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.766	—	—	0.033	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.768	—	—	0.033	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.764	—	—	0.03	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.8	—	—	0.03	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.757	—	—	0.03	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.551	—	—	0.03	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.781	—	—	0.033	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.033	—	—	0.033	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-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.746	—	—	0.033	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	52.2	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	56.1	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	62.2	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	62.6	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	56.3	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	56.6	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	64	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	63.5	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.07	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	3.3	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.66	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	3.68	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	3.43	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	3.36	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.3	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	3.33	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.74	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	3.72	—	—	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-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.46	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.4	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.97	—	—	0.014	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1.98	—	—	0.014	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.22	—	—	0.017	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1.24	—	—	0.017	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.14	—	—	0.085	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.78	—	—	0.017	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.98	—	—	0.014	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.0155	—	—	0.014	mg/L	J	U	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	1.98	—	—	0.014	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.017	—	—	0.017	mg/L	U	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.62	—	—	0.017	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.78	—	—	0.017	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	—	4.35	—	—	4	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	4.51	—	—	0.5	µg/L	—	J	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	4.65	—	—	0.5	µg/L	—	J	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	—	4.31	—	—	4	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.93	—	—	0.01	SU	H	J	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.86	—	—	0.01	SU	H	J	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.87	—	—	0.01	SU	H	J	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	150.1	pH	—	7.99	—	—	0.01	SU	H	J	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.89	—	—	0.01	SU	H	J	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.62	—	—	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-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	7.93	—	—	0.01	SU	H	J	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.5	—	—	0.01	SU	H	J	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6010	Potassium	—	2.26	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	2.4	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	6010	Potassium	—	2.89	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	2.89	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	6010	Potassium	—	2.63	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	6010	Potassium	—	2.5	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	2.41	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	2.42	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	2.96	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	2.94	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	2.65	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	2.51	—	—	0.05	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	69.8	—	—	0.032	mg/L	—	J, J-	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	75.7	—	—	0.032	mg/L	—	J, J-	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	76	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	76	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	73	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	73.6	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	76.1	—	—	0.032	mg/L	—	J, J-	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	—	0.062	—	—	0.032	mg/L	J	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-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	76.6	—	—	0.032	mg/L	—	J, J-	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.043	—	—	0.032	mg/L	J	J-, U	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	75.2	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	73	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	73.7	—	—	0.032	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	6010	Sodium	—	11.3	—	—	0.045	mg/L	N	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	12.5	—	—	0.045	mg/L	N	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	6010	Sodium	—	14.1	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	14.1	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	6010	Sodium	—	12.4	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	6010	Sodium	—	12	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	12.6	—	—	0.045	mg/L	N	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.0941	—	—	0.045	mg/L	JN	U	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	12.6	—	—	0.045	mg/L	N	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	14.5	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.0742	—	—	0.045	mg/L	J	U	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	14.2	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	12.5	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	12.2	—	—	0.045	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	232	—	—	1	uS/cm	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	188	—	—	1	uS/cm	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	182	—	—	1	uS/cm	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	120.1	Specific	—	183	—	—	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
									Conductance									
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	168	—	—	1	uS/cm	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.41	—	—	1	uS/cm	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	167	—	—	1	uS/cm	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.37	—	—	1	uS/cm	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	300	Sulfate	—	4.15	—	—	0.1	mg/L	—	J+	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	4.22	—	—	0.1	mg/L	—	J+	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	300	Sulfate	—	4.39	—	—	0.057	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	4.46	—	—	0.057	mg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	300	Sulfate	—	4.38	—	—	0.057	mg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	300	Sulfate	—	4.27	—	—	0.057	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	4.19	—	—	0.1	mg/L	—	J+	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.1	—	—	0.1	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	4.15	—	—	0.1	mg/L	—	J+	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	173	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	171	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	171	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	166	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	166	—	—	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-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	21	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	168	—	—	2.38	mg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	—	4	—	—	2.38	mg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.034	—	—	0.01	mg/L	J	U	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	<	0.026	—	—	0.01	mg/L	J	U	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.029	—	—	0.01	mg/L	J	U	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	UJ	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	UJ	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.08	—	—	0.01	mg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	—	0.03	—	—	0.01	mg/L	J	J-, JN-	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	<	0.014	—	—	0.01	mg/L	J	J-, JN-, U	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.022	—	—	0.01	mg/L	J	U	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.024	—	—	0.01	mg/L	J	U	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as	<	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
									Phosphorus									
R-4	792.9	7/25/2006	WG	F	CS	—	Met	6010	Barium	—	32.1	—	—	1	µg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Met	6010	Barium	—	34.4	—	—	1	µg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Met	6010	Barium	—	39.1	—	—	1	µg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Met	6010	Barium	—	39.2	—	—	1	µg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Met	6010	Barium	—	35.4	—	—	1	µg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Met	6010	Barium	—	34.2	—	—	1	µg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Met	6010	Barium	—	34.3	—	—	1	µg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Met	6010	Barium	—	34.6	—	—	1	µg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	—	Met	6010	Barium	—	40.7	—	—	1	µg/L	—	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Met	6010	Barium	—	39.8	—	—	1	µg/L	—	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Met	6010	Barium	—	35.7	—	—	1	µg/L	—	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Met	6010	Barium	—	34.5	—	—	1	µg/L	—	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Met	6010	Boron	—	23.5	—	—	10	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Met	6010	Boron	—	25.7	—	—	10	µg/L	J	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Met	6010	Boron	—	29.7	—	—	10	µg/L	J	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	FD	Met	6010	Boron	—	28.3	—	—	10	µg/L	J	—	GELC
R-4	792.9	11/14/2005	WG	F	CS	—	Met	6010	Boron	—	25.8	—	—	10	µg/L	J	—	GELC
R-4	792.9	8/8/2005	WG	F	CS	—	Met	6010	Boron	—	25.4	—	—	10	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	—	Met	6010	Boron	—	25	—	—	10	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-4	792.9	7/25/2006	WG	UF	CS	FD	Met	6010	Boron	—	24.9	—	—	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-4	792.9	2/28/2006	WG	UF	CS	—	Met	6010	Boron	—	28.1	—	—	10	µg/L	J	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-4	792.9	2/28/2006	WG	UF	CS	FD	Met	6010	Boron	—	28	—	—	10	µg/L	J	—	GELC
R-4	792.9	11/14/2005	WG	UF	CS	—	Met	6010	Boron	—	24.5	—	—	10	µg/L	J	—	GELC
R-4	792.9	8/8/2005	WG	UF	CS	—	Met	6010	Boron	—	24.7	—	—	10	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-4	792.9	7/25/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.5	—	—	0.5	µg/L	J	—	GELC
R-4	792.9	2/28/2006	WG	F	CS	—	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
R-4	793	2/28/2006	WG	F	CS	FD	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
R-4	793	11/14/2005	WG	F	CS	—	Met	6010	Nickel	<	2.9	—	—	1	µg/L	J	U	GELC
R-4	793	8/8/2005	WG	F	CS	—	Met	6010	Nickel	—	4.1	—	—	1	µg/L	J	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.5	—	—	0.5	µg/L	J	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Met	6020	Nickel	—	1.1	—	—	0.5	µg/L	J	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Met	6010	Nickel	<	2.8	—	—	1	µg/L	J	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Met	6010	Nickel	—	4.9	—	—	1	µg/L	J	—	GELC
R-4	793	7/25/2006	WG	F	CS	—	Met	6010	Strontium	—	75.1	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Met	6010	Strontium	—	81.3	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	—	Met	6010	Strontium	—	98.6	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	FD	Met	6010	Strontium	—	98.9	—	—	1	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	F	CS	—	Met	6010	Strontium	—	87.2	—	—	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-4	793	8/8/2005	WG	F	CS	—	Met	6010	Strontium	—	81.7	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Met	6010	Strontium	—	81.5	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Met	6010	Strontium	—	82	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Met	6010	Strontium	—	103	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Met	6010	Strontium	—	102	—	—	1	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Met	6010	Strontium	—	88.3	—	—	1	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Met	6010	Strontium	—	82.6	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	—	Met	6020	Uranium	—	0.71	—	—	0.05	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Met	6020	Uranium	—	0.68	—	—	0.05	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	—	Met	6020	Uranium	—	0.87	—	—	0.05	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	FD	Met	6020	Uranium	—	0.86	—	—	0.05	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	F	CS	—	Met	6020	Uranium	—	0.73	—	—	0.05	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	F	CS	—	Met	6020	Uranium	—	0.66	—	—	0.05	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.67	—	—	0.05	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Met	6020	Uranium	—	0.7	—	—	0.05	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.97	—	—	0.05	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Met	6020	Uranium	—	0.99	—	—	0.05	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.74	—	—	0.05	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.67	—	—	0.05	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	—	Met	6010	Vanadium	—	7.1	—	—	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-4	793	7/25/2006	WG	F	CS	FD	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	—	Met	6010	Vanadium	—	8.5	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	F	CS	FD	Met	6010	Vanadium	—	8.4	—	—	1	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	F	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	F	CS	—	Met	6010	Vanadium	—	7.6	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.7	—	—	1	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	8.2	—	—	1	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Met	6010	Vanadium	—	7.6	—	—	1	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00714	0.0105	0.0235	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	-0.0126	0.0152	0.0289	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00514	0.00396	0.0257	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	-0.00919	0.00305	0.0199	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.00701	0.00535	0.0271	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00329	0.00273	0.0348	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	-0.00383	0.00191	0.0294	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	0.000603	0.0032	0.0326	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.000286	0.000758	0.0318	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00218	0.00962	0.046	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.536	1.02	3.76	—	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-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.00271	0.866	3.18	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.15	0.943	3.42	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	0.724	1	3.7	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	0.667	0.912	3.41	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.337	0.995	3.69	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	1.13	0.998	3.73	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	0.961	0.979	3.63	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.527	0.541	1.92	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.218	1.14	4.07	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	1.58	1.07	4.32	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.427	0.969	3.46	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.238	0.941	3.23	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	0	—	3.61	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	0.175	0.991	3.75	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-1.46	1.42	4.14	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	1.21	0.965	3.9	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	2.81	1.28	4.81	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.19	1.67	2.04	—	pCi/L	UI	R	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.303	1.26	4.68	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.24	0.58	2.94	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	2.24	0.889	2.71	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	-0.132	0.228	1.78	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	-0.00947	0.3	1.87	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	1.38	0.755	2.79	—	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-4	793	2/28/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.99	0.55	1.02	—	pCi/L	—	J	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.404	0.27	1.02	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	1.12	0.337	0.941	—	pCi/L	—	J	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	900	Gross beta	—	4.39	0.81	2.82	—	pCi/L	—	J	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	900	Gross beta	—	1.87	0.784	2.93	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.83	0.743	2.48	—	pCi/L	—	J	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	1.31	0.779	2.95	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	4.89	1.31	4.86	—	pCi/L	—	J	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	900	Gross beta	—	1.93	0.75	2.91	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	0.631	0.635	2.62	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	4.15	0.77	2.65	—	pCi/L	—	J	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	1820	1450	2250	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Gross gamma	—	48.8	61.3	239	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	112	93.3	340	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	105	93.3	354	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	52.4	49.1	216	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	81.9	116	327	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	90.5	93	302	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	78.4	58.5	307	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-8.81	7.36	24.5	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Neptunium-237	—	8.77	6.79	24.7	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-10.1	7.62	26.2	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	11.4	9	28.4	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	1.79	6.6	23.3	—	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-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	10.4	8.61	28.7	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	-1.25	7.86	26.9	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-8.43	7.63	25.8	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.0157	0.0133	0.0215	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.00226	0.0161	0.0217	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00949	0.00823	0.0228	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	-0.00233	0.00842	0.0224	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.0141	0.0101	0.0194	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00862	0.0122	0.0259	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	-0.0133	0.0113	0.0266	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.00477	0.0101	0.0286	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00409	0.0116	0.0425	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00471	0.011	0.049	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.0224	0.0123	0.0251	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.00226	0.0108	0.0253	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00712	0.0119	0.0266	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00933	0.0114	0.0261	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	-0.0162	0.00991	0.0226	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00862	0.0101	0.0284	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	-0.0222	0.00944	0.0292	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	-0.0239	0.00958	0.0314	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0143	0.00615	0.0359	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0141	0.01	0.041	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	33.5	16.5	27.8	—	pCi/L	UI	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-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Potassium-40	—	31	12.6	53	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	17.2	17.1	33.5	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	25.9	16.5	28.5	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	22.6	11.2	46.1	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	0.932	22.3	42.7	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	10.9	15.6	34.2	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	32.4	15.1	37	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	30	6.67	27.3	—	pCi/L	UI	R	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	33	13.6	52.6	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.45	1.06	3.54	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.279	0.854	3.23	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.534	0.981	3.82	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	-0.537	0.996	3.46	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	0.264	0.935	3.59	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.305	1.09	4.19	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	0.167	1.04	3.85	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	0.49	1.18	4.37	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.276	0.517	1.81	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.481	1.16	4.14	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.0592	0.0869	0.449	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.203	0.104	0.42	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.299	0.114	0.432	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	-0.155	0.084	0.484	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	0.0151	0.0752	0.365	—	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-4	793	2/28/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0812	0.0959	0.455	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.0204	0.0936	0.425	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	0.0919	0.105	0.449	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0644	0.0972	0.449	—	pCi/L	U	U	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.121	0.0522	0.207	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.497	0.0476	0.06	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.552	0.0508	0.0526	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.515	0.0508	0.058	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	-0.0095	0.0106	0.0496	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	0.538	0.0486	0.0492	—	pCi/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.634	0.0643	0.112	—	pCi/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	-0.0223	0.0166	0.101	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	0.74	0.0612	0.0754	—	pCi/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.717	0.0507	0.0746	—	pCi/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.577	0.0485	0.075	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0213	0.0133	0.0506	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	-0.00935	0.0136	0.0444	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	-0.0378	0.0173	0.049	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.00294	0.00657	0.0418	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.00584	0.00923	0.0415	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0346	0.0139	0.0541	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	-0.00786	0.00964	0.0492	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.0351	0.0103	0.0366	—	pCi/L	U	U	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0484	0.0137	0.0562	—	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-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0184	0.0087	0.057	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.241	0.0309	0.0638	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.25	0.0314	0.0559	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.203	0.0302	0.0617	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.019	0.00896	0.0527	—	pCi/L	U	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.269	0.0303	0.0524	—	pCi/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.329	0.0414	0.0626	—	pCi/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.00954	0.00956	0.0568	—	pCi/L	U	U	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.286	0.0316	0.0423	—	pCi/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.272	0.0287	0.0528	—	pCi/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.252	0.0283	0.053	—	pCi/L	—	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Voa	8260	Butanone[2-]	—	3.17	—	—	1.25	µg/L	J	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Voa	8260	Butanone[2-]	—	12	—	—	1.25	µg/L	—	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	EQB	Voa	8260	Butanone[2-]	—	5.3	—	—	1.25	µg/L	—	—	GELC
R-4	793	11/14/2005	WG	UF	CS	FB	Voa	8260	Butanone[2-]	<	6.31	—	—	1.25	µg/L	—	U	GELC
R-4	793	11/14/2005	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-4	793	8/8/2005	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-4	793	8/8/2005	WG	UF	CS	EQB	Voa	8260	Butanone[2-]	—	33.2	—	—	—	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	FB	Voa	8260	Butanone[2-]	—	33.3	—	—	—	µg/L	—	—	GELC
R-4	793	8/8/2005	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	—	Voa	8260	Trimethylbenzene[1, 2,4-]	<	0.425	—	—	0.25	µg/L	BJ	U	GELC
R-4	793	7/25/2006	WG	UF	CS	FB	Voa	8260	Trimethylbenzene[1, 2,4-]	—	0.328	—	—	0.25	µg/L	BJ	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FD	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	7/25/2006	WG	UF	CS	FTB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	—	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FD	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	2/28/2006	WG	UF	CS	FTB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	—	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	EQB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	FB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	11/14/2005	WG	UF	CS	FTB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	0.25	µg/L	U	—	GELC
R-4	793	8/8/2005	WG	UF	CS	—	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	—	µg/L	U	—	GELC
R-4	793	8/8/2005	WG	UF	CS	EQB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	—	µg/L	U	—	GELC
R-4	793	8/8/2005	WG	UF	CS	FB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	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-4	793	8/8/2005	WG	UF	CS	FTB	Voa	8260	Trimethylbenzene[1, 2,4-]	<	1	—	—	—	µg/L	U	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.855	—	—	0.725	mg/L	J	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	94	—	—	0.725	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.9	—	—	1.45	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71.9	—	—	1.45	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.9	—	—	1.45	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	91.9	—	—	1.45	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	120	—	—	1.45	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	300	Bromide	—	0.122	—	—	0.066	mg/L	J	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	384	2/23/2004	WG	F	CS	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	300	Bromide	—	0.097	—	—	0.066	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-5	384	5/2/2005	WG	UF	CS	—	Inorg	300	Bromide	—	0.125	—	—	0.041	mg/L	J	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	6010	Calcium	—	30.5	—	—	0.036	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	6010	Calcium	—	31.5	—	—	0.00554	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	32	—	—	0.00554	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.00554	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	31.5	—	—	0.00554	mg/L	—	—	GELC
R-5	384	2/23/2004	WG	F	CS	—	Inorg	6010	Calcium	—	30.7	—	—	0.00554	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	31.1	—	—	0.036	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	31.9	—	—	0.036	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	32.2	—	—	0.00554	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	30.6	—	—	0.00554	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	30.8	—	—	0.00554	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	31.4	—	—	0.00554	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	31.5	—	—	0.89	mg/L	—	J+	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	300	Chloride	—	7.37	—	—	0.066	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	300	Chloride	—	7.27	—	—	0.0322	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	300	Chloride	—	7.27	—	—	0.0322	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	300	Chloride	—	6.72	—	—	0.0322	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	300	Chloride	—	6.75	—	—	0.0322	mg/L	—	—	GELC
R-5	384	2/23/2004	WG	F	CS	—	Inorg	300	Chloride	—	6.99	—	—	0.0322	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	300	Chloride	—	7.11	—	—	0.066	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	300	Chloride	—	7.39	—	—	0.053	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	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-5	384	7/25/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	—	0.00253	—	—	0.0015	mg/L	J	JN-	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.0025	—	—	0.0025	mg/L	U	—	GELC
R-5	384	9/27/2004	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
R-5	384	4/28/2004	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	300	Fluoride	—	1.06	—	—	0.033	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	300	Fluoride	—	1.12	—	—	0.0553	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	1.13	—	—	0.0553	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	300	Fluoride	—	1.03	—	—	0.0553	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	1.02	—	—	0.0553	mg/L	—	—	GELC
R-5	384	2/23/2004	WG	F	CS	—	Inorg	300	Fluoride	—	1.02	—	—	0.0553	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	1.12	—	—	0.033	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	1.06	—	—	0.03	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	88.1	—	—	0.085	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	89.6	—	—	0.085	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	85.8	—	—	0.02	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.87	—	—	0.085	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	3.07	—	—	0.00518	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	3.13	—	—	0.00518	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	3.21	—	—	0.00518	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	3.13	—	—	0.00518	mg/L	—	—	GELC
R-5	384	2/23/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	2.97	—	—	0.00518	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.92	—	—	0.085	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.03	—	—	0.085	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.16	—	—	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-5	384	9/27/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	3	—	—	0.00518	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.08	—	—	0.00518	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	3.13	—	—	0.00518	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.11	—	—	0.014	mg/L	—	—	GELC
R-5	384	5/2/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.66	—	—	0.003	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.28	—	—	0.003	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.31	—	—	0.01	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	F	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.38	—	—	0.01	mg/L	—	—	GELC
R-5	384	7/25/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.19	—	—	0.014	mg/L	—	—	GELC
R-5	384	9/27/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.31	—	—	0.003	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.26	—	—	0.01	mg/L	—	—	GELC
R-5	384	4/28/2004	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.38	—	—	0.01	mg/L	—	—	GELC
R-5	384	2/23/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.57	—	—	0.01	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	1.65	—	—	0.2	µg/L	—	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	314.0	Perchlorate	—	4.01	—	—	4	µg/L	J	—	GELC
R-5	383.9	2/23/2004	WG	F	DUP	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.97	—	—	0.01	SU	H	J	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	150.1	pH	—	8.04	—	—	0.01	SU	H	J	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.57	—	—	0.01	SU	H	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	6010	Potassium	—	4.09	—	—	0.05	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	6010	Potassium	—	4.27	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	4.37	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	6010	Potassium	—	4.44	—	—	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-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	4.36	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	6010	Potassium	—	4.22	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	4.17	—	—	0.05	mg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	4.45	—	—	0.05	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	4.36	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	4.2	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	4.31	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	4.36	—	—	0.0165	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	52.3	—	—	0.032	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	26.1	—	—	0.00983	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	26.3	—	—	0.00983	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	53.2	—	—	0.0212	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	53.5	—	—	0.0212	mg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	54.3	—	—	0.0212	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	53.2	—	—	0.032	mg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	53.1	—	—	0.032	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	26.8	—	—	0.00983	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	25.5	—	—	0.00983	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	51.9	—	—	0.0212	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	52.7	—	—	0.0212	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	6010	Sodium	—	14.6	—	—	0.045	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	6010	Sodium	—	15.5	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	15.9	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	6010	Sodium	—	15.3	—	—	0.0144	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-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	15.1	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	6010	Sodium	—	14.5	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	14.9	—	—	0.045	mg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	15.7	—	—	0.045	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	15.9	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	15	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	14.7	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	15	—	—	0.0144	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	280	—	—	1	uS/cm	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	281	—	—	1	uS/cm	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	219	—	—	1	uS/cm	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	300	Sulfate	—	7.99	—	—	0.1	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	300	Sulfate	—	8.76	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	8.67	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	300	Sulfate	—	8.03	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	7.99	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	300	Sulfate	—	8.11	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	8.12	—	—	0.193	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	7.98	—	—	0.1	mg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	8.22	—	—	0.057	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	200	—	—	2.38	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	198	—	—	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-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	192	—	—	2.38	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.115	—	—	0.044	mg/L	—	JN-	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.112	—	—	0.044	mg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.068	—	—	0.044	mg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.046	—	—	0.044	mg/L	J	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.45	—	—	0.03	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.076	—	—	0.044	mg/L	J	JN-	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.086	—	—	0.044	mg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.066	—	—	0.044	mg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.066	—	—	0.044	mg/L	J	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.33	—	—	0.33	mg/L	U	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.464	—	—	0.074	mg/L	—	J-	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.325	—	—	0.025	mg/L	—	U	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Inorg	9060	Total Organic Carbon	—	0.359	—	—	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-5	383.9	4/28/2004	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.305	—	—	0.025	mg/L	—	J-	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Inorg	9060	Total Organic Carbon	—	0.32	—	—	0.025	mg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.016	—	—	0.01	mg/L	J	J-, JN-	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	R	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	UJ	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	R	GELC
R-5	383.9	2/23/2004	WG	F	DUP	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6010	Barium	—	196	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Barium	—	193	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Barium	—	196	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Barium	—	204	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Barium	—	199	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Barium	—	200	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6010	Barium	—	199	—	—	1	µg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Barium	—	197	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Barium	—	198	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Barium	—	190	—	—	0.222	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-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Barium	—	195	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Barium	—	201	—	—	0.222	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6010	Boron	—	26	—	—	10	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Boron	—	27.1	—	—	4.88	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Boron	—	27.4	—	—	4.88	µg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Boron	<	34.5	—	—	4.88	µg/L	B	U	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Boron	—	30.3	—	—	4.88	µg/L	B	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Boron	—	23.1	—	—	4.88	µg/L	B	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6010	Boron	—	24.9	—	—	10	µg/L	J	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Boron	—	22.7	—	—	10	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Boron	—	27.8	—	—	4.88	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Boron	—	24.6	—	—	4.88	µg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Boron	<	32	—	—	4.88	µg/L	B	U	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Boron	—	30.6	—	—	4.88	µg/L	B	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6020	Chromium	—	3.7	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Chromium	<	4.3	—	—	0.503	µg/L	J	U	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Chromium	—	5.35	—	—	0.503	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Chromium	—	4.4	—	—	0.503	µg/L	B	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Chromium	—	4.42	—	—	0.503	µg/L	B	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Chromium	—	5.09	—	—	0.503	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6020	Chromium	—	5	—	—	1	µg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Chromium	—	4.5	—	—	1	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Chromium	<	5.9	—	—	0.503	µg/L	—	U	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Chromium	—	5.27	—	—	0.503	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-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Chromium	—	5.5	—	—	0.503	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Chromium	—	4.87	—	—	0.503	µg/L	B	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2.1	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6020	Molybdenum	—	2.1	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6020	Molybdenum	—	2.06	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2.02	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.8	—	—	0.1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6020	Molybdenum	—	2.1	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6020	Molybdenum	—	2.1	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Met	6020	Molybdenum	—	2	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6020	Molybdenum	—	2.03	—	—	0.2	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6020	Nickel	—	0.58	—	—	0.5	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Nickel	—	1.3	—	—	0.69	µg/L	J	JN-	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	UJ	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.87	—	—	0.5	µg/L	J	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Nickel	<	2	—	—	1	µg/L	J	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Nickel	—	2.9	—	—	0.69	µg/L	J	JN-	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Nickel	—	1.27	—	—	0.69	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-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6010	Strontium	—	308	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Strontium	—	311	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Strontium	—	316	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Strontium	—	329	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Strontium	—	324	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Strontium	—	314	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6010	Strontium	—	312	—	—	1	µg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Strontium	—	315	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Strontium	—	317	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Strontium	—	303	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Strontium	—	319	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Strontium	—	323	—	—	0.178	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6020	Thallium	—	0.64	—	—	0.4	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6020	Thallium	—	0.42	—	—	0.02	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.123	—	—	0.02	µg/L	J	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6020	Thallium	<	0.23	—	—	0.02	µg/L	B	U	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.074	—	—	0.02	µg/L	B	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6020	Thallium	<	0.082	—	—	0.02	µg/L	B	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6020	Thallium	—	0.14	—	—	0.02	µg/L	J	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6020	Thallium	—	0.095	—	—	0.02	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-5	383.9	4/28/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.034	—	—	0.02	µg/L	B	U	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6020	Thallium	—	0.025	—	—	0.02	µg/L	B	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6020	Uranium	—	2.9	—	—	0.05	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6020	Uranium	—	2.6	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6020	Uranium	—	2.67	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6020	Uranium	—	2.8	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6020	Uranium	—	2.82	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6020	Uranium	—	2.81	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6020	Uranium	—	2.9	—	—	0.05	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6020	Uranium	—	2.7	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6020	Uranium	—	2.69	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Met	6020	Uranium	—	2.7	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6020	Uranium	—	2.76	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	UF	CS	—	Met	6020	Uranium	—	2.85	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	UF	DUP	—	Met	6020	Uranium	—	2.81	—	—	0.02	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Met	6010	Vanadium	—	7.6	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	CS	—	Met	6010	Vanadium	—	8.5	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	F	DUP	—	Met	6010	Vanadium	—	8.68	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	CS	—	Met	6010	Vanadium	—	8.6	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	F	DUP	—	Met	6010	Vanadium	—	8.66	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	2/23/2004	WG	F	CS	—	Met	6010	Vanadium	—	8.71	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Met	6010	Vanadium	—	7.5	—	—	1	µg/L	—	—	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Met	6010	Vanadium	—	9.4	—	—	0.606	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-5	383.9	9/27/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	8.41	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Met	6010	Vanadium	—	8.3	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	8.5	—	—	0.606	µg/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00467	0.00308	0.0227	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00363	0.00284	0.0249	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0235	0.012	0.034	—	pCi/L	U	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0133	0.0096	0.042	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00558	0.00883	0.05	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.904	1.06	4.07	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	1.47	1.16	4.56	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	5.65	0.961	3.94	—	pCi/L	UI	R	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.6	0.772	2.47	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	6.8	1.57	6.04	—	pCi/L	UI	R	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	2.08	1.23	5.19	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.296	0.926	3.47	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.177	0.808	2.92	—	pCi/L	U	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.0295	0.67	2.43	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.31	0.72	2.7	—	pCi/L	U	J-, U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.72	0.535	1.57	—	pCi/L	—	J, J-	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	2.62	0.53	1.24	—	pCi/L	—	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	900	Gross beta	—	4	0.77	2.47	—	pCi/L	—	J	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	900	Gross beta	—	2.68	0.667	2.3	—	pCi/L	—	J	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	900	Gross beta	—	3.49	0.752	2.58	—	pCi/L	—	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	71.9	81.9	243	—	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-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	93.5	69.8	317	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	120	82.2	260	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	96.2	122	334	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-2.17	7.93	27.7	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-25.7	10.3	30.7	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	14	7.56	23.9	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.002	0.0192	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00237	0.00335	0.0227	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0151	0.0112	0.045	—	pCi/L	U	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.0152	0.0129	0.039	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00851	0.00852	0.044	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.014	0.00665	0.0223	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00236	0.0041	0.0265	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00864	0.00683	0.038	—	pCi/L	U	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	-0.00505	0.00798	0.04	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00567	0.00802	0.045	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	33.9	12.7	56.2	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	43.5	12.6	57.6	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	6.44	12.8	23	—	pCi/L	U	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.8	13	23.7	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	1.35	26.5	48.8	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.389	1.23	4.74	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.394	1.15	4.45	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.05	0.725	2.67	—	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-5	383.9	9/27/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.722	0.737	2.52	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.0595	1.22	4.5	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0818	0.0654	0.262	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0656	0.0621	0.251	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0109	0.0812	0.384	—	pCi/L	—	U	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.19	0.0913	0.337	—	pCi/L	U	U	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.532	0.113	0.266	—	pCi/L	—	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.11	0.0891	0.0613	—	pCi/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.15	0.0928	0.0645	—	pCi/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.35	0.0799	0.079	—	pCi/L	—	J	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.18	0.0776	0.067	—	pCi/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.31	0.107	0.105	—	pCi/L	—	—	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.0145	0.0185	0.0517	—	pCi/L	U	U	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0382	0.0164	0.0544	—	pCi/L	U	U	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0599	0.0132	0.048	—	pCi/L	—	J	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0705	0.0133	0.044	—	pCi/L	—	J	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.131	0.0237	0.064	—	pCi/L	—	J	GELC
R-5	383.9	7/25/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.737	0.0658	0.0652	—	pCi/L	—	—	GELC
R-5	383.9	7/25/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.823	0.0736	0.0686	—	pCi/L	—	—	GELC
R-5	383.9	5/2/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.965	0.0632	0.056	—	pCi/L	—	J	GELC
R-5	383.9	9/27/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	1	0.0686	0.048	—	pCi/L	—	—	GELC
R-5	383.9	4/28/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.885	0.0785	0.074	—	pCi/L	—	—	GELC
R-5	718.6	7/26/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.02	—	—	0.725	mg/L	—	—	GELC
R-5	718.6	9/28/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	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-5	718.6	9/28/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-5	718.6	7/26/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-5	718.6	5/3/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	UJ	GELC
R-5	718.6	7/26/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	91.4	—	—	0.725	mg/L	—	—	GELC
R-5	718.6	9/28/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	88	—	—	1.45	mg/L	—	—	GELC
R-5	718.6	9/28/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	89.1	—	—	1.45	mg/L	—	—	GELC
R-5	718.6	11/14/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	94.40000153	—	—	0.730000019	mg/L	—	NQ	GEL
R-5	718.6	7/26/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	90.4	—	—	0.725	mg/L	—	—	GELC
R-5	718.6	7/26/2006	WG	F	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
R-5	718.6	9/28/2004	WG	F	CS	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	718.6	9/28/2004	WG	F	DUP	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	718.6	4/30/2004	WG	F	CS	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	718.6	4/30/2004	WG	F	DUP	—	Inorg	300	Bromide	<	0.0978	—	—	0.0978	mg/L	U	—	GELC
R-5	718.6	2/26/2004	WG	F	CS	—	Inorg	300	Bromide	—	0.246	—	—	0.0978	mg/L	—	—	GELC
R-5	718.6	7/26/2006	WG	UF	CS	—	Inorg	300	Bromide	<	0.066	—	—	0.066	mg/L	U	—	GELC
R-5	718.6	5/3/2005	WG	UF	CS	—	Inorg	300	Bromide	<	0.041	—	—	0.041	mg/L	U	—	GELC
R-5	718.6	7/26/2006	WG	F	CS	—	Inorg	6010	Calcium	—	25.6	—	—	0.036	mg/L	—	—	GELC
R-5	718.6	9/28/2004	WG	F	CS	—	Inorg	6010	Calcium	—	25.4	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	4/30/2004	WG	F	CS	—	Inorg	6010	Calcium	—	26.8	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	4/30/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	25.9	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	2/26/2004	WG	F	CS	—	Inorg	6010	Calcium	—	25.9	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	2/26/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	25.9	—	—	0.00554	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-5	718.6	7/26/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	25.6	—	—	0.036	mg/L	—	—	GELC
R-5	718.6	5/3/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	25.4	—	—	0.036	mg/L	—	—	GELC
R-5	718.6	9/28/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	26.1	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	4/30/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	28.1	—	—	0.00554	mg/L	—	—	GELC
R-5	718.6	4/30/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	26.7	—	—	0.00554	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	20.7	—	—	0.89	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	300	Chloride	—	8.02	—	—	0.066	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	300	Chloride	—	7.98	—	—	0.0322	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	DUP	—	Inorg	300	Chloride	—	7.96	—	—	0.0322	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	300	Chloride	—	7.89	—	—	0.0322	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	300	Chloride	—	7.91	—	—	0.0322	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	300	Chloride	—	8.01	—	—	0.0322	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	300	Chloride	—	7.81	—	—	0.066	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	300	Chloride	—	7.33	—	—	0.053	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	UJ	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	335.3	Cyanide (Total)	<	0.0015	—	—	0.0015	mg/L	U	UJ	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	—	0.0037	—	—	0.0025	mg/L	J	J	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	UH	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	9012	Cyanide (Total)	<	0.00172	—	—	0.00172	mg/L	U	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.651	—	—	0.033	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.702	—	—	0.0553	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	0.705	—	—	0.0553	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-5	719	4/30/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.628	—	—	0.0553	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	0.637	—	—	0.0553	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.643	—	—	0.0553	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.685	—	—	0.033	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.451	—	—	0.03	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	81.6	—	—	0.085	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	81.6	—	—	0.085	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	81	—	—	0.085	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.29	—	—	0.085	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	4.39	—	—	0.00518	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	4.6	—	—	0.00518	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	4.52	—	—	0.00518	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	4.32	—	—	0.00518	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	4.31	—	—	0.00518	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.3	—	—	0.085	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.26	—	—	0.085	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.56	—	—	0.00518	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.85	—	—	0.00518	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	4.6	—	—	0.00518	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.22	—	—	0.014	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.09	—	—	0.003	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.44	—	—	0.003	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.01	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.22	—	—	0.014	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-5	719	9/28/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.64	—	—	0.003	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	1.79	—	—	0.01	mg/L	—	—	GELC
R-5	719	3/2/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	2.04	—	—	0.01	mg/L	—	J	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	1.21	—	—	0.2	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	—	4	—	—	0.958	µg/L	J	J	GEL
R-5	719	7/26/2006	WG	F	CS	—	Inorg	150.1	pH	—	8.1	—	—	0.01	SU	H	J	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	150.1	pH	—	8.08	—	—	0.01	SU	H	J	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.68	—	—	0.01	SU	H	J	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.27	—	—	0.05	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	6010	Potassium	—	3.37	—	—	0.0165	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	6010	Potassium	—	3.61	—	—	0.0165	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	3.47	—	—	0.0165	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	6010	Potassium	—	3.36	—	—	0.0165	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	3.37	—	—	0.0165	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.52	—	—	0.05	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	3.55	—	—	0.05	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	3.44	—	—	0.0165	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	3.79	—	—	0.0165	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	3.61	—	—	0.0165	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	48.1	—	—	0.032	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	22.7	—	—	0.00983	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	50.6	—	—	0.0212	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-5	719	4/30/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	49.6	—	—	0.0212	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	49.2	—	—	0.0212	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	49.2	—	—	0.0212	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	48.3	—	—	0.032	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	45.7	—	—	0.032	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	23.5	—	—	0.00983	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	53.6	—	—	0.0212	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	51	—	—	0.0212	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	6010	Sodium	—	20.6	—	—	0.045	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	6010	Sodium	—	20.7	—	—	0.0144	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	6010	Sodium	—	21.3	—	—	0.0144	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	20.5	—	—	0.0144	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	6010	Sodium	—	20.4	—	—	0.0144	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	20.6	—	—	0.0144	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	20.6	—	—	0.045	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	20.9	—	—	0.045	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	21.4	—	—	0.0144	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	22.4	—	—	0.0144	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	21.3	—	—	0.0144	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	261	—	—	1	uS/cm	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	262	—	—	1	uS/cm	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	237	—	—	1	uS/cm	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	300	Sulfate	—	16.5	—	—	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-5	719	9/28/2004	WG	F	CS	—	Inorg	300	Sulfate	—	17.2	—	—	0.193	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	17.2	—	—	0.193	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	300	Sulfate	—	16	—	—	0.193	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	16.1	—	—	0.193	mg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	300	Sulfate	—	16.3	—	—	0.193	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	16.2	—	—	0.1	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	16.1	—	—	0.057	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	187	—	—	2.38	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	189	—	—	2.38	mg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	185	—	—	2.38	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.216	—	—	0.01	mg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.068	—	—	0.044	mg/L	J	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.078	—	—	0.044	mg/L	J	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.35	—	—	0.03	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.048	—	—	0.044	mg/L	J	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.169	—	—	0.044	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.164	—	—	0.044	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-5	719	7/26/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.39	—	—	0.33	mg/L	J	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.421	—	—	0.074	mg/L	—	J-	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.298	—	—	0.025	mg/L	—	U	GELC
R-5	719	9/28/2004	WG	UF	DUP	—	Inorg	9060	Total Organic Carbon	—	0.296	—	—	0.025	mg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.259	—	—	0.025	mg/L	—	J-	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Inorg	9060	Total Organic Carbon	—	0.247	—	—	0.025	mg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-5	719	9/28/2004	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	R	GELC
R-5	719	9/28/2004	WG	F	DUP	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.151	—	—	0.151	mg/L	UH	R	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6010	Barium	—	94.7	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6010	Barium	—	93	—	—	0.222	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Barium	—	102	—	—	0.222	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Barium	—	102	—	—	0.222	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Barium	—	99.6	—	—	0.222	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Barium	—	99.9	—	—	0.222	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6010	Barium	—	93.1	—	—	1	µg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Barium	—	93.8	—	—	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-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Barium	—	95.2	—	—	0.222	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Barium	—	107	—	—	0.222	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Barium	—	102	—	—	0.222	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6010	Boron	—	36.7	—	—	10	µg/L	J	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6010	Boron	—	37.5	—	—	4.88	µg/L	J	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Boron	<	43	—	—	4.88	µg/L	B	U	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Boron	—	40.4	—	—	4.88	µg/L	B	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Boron	—	34.7	—	—	4.88	µg/L	J	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Boron	—	33.9	—	—	4.88	µg/L	J	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6010	Boron	—	35.9	—	—	10	µg/L	J	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Boron	—	32.3	—	—	10	µg/L	J	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Boron	—	39.3	—	—	4.88	µg/L	J	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Boron	—	45.5	—	—	4.88	µg/L	B	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Boron	—	40.5	—	—	4.88	µg/L	B	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6020	Chromium	—	9.5	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6010	Chromium	—	9.1	—	—	0.503	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Chromium	—	7.9	—	—	0.503	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Chromium	—	7.9	—	—	0.503	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Chromium	—	5.95	—	—	0.503	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Chromium	—	5.43	—	—	0.503	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6020	Chromium	—	12.4	—	—	1	µg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Chromium	—	7.8	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Chromium	—	13.3	—	—	0.503	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Chromium	—	8.9	—	—	0.503	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-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Chromium	—	8.52	—	—	0.503	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.5	—	—	2	µg/L	J	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2.5	—	—	0.2	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2.2	—	—	0.2	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6020	Molybdenum	—	2.2	—	—	0.2	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6020	Molybdenum	—	2.71	—	—	0.2	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6020	Molybdenum	—	2.73	—	—	0.2	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.1	—	—	2	µg/L	J	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.6	—	—	0.1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6020	Molybdenum	—	2.8	—	—	0.2	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6020	Molybdenum	—	2.3	—	—	0.2	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6020	Molybdenum	—	2.14	—	—	0.2	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6020	Nickel	—	1.4	—	—	0.5	µg/L	J	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Nickel	<	2.18	—	—	0.69	µg/L	J	U	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Nickel	—	3.15	—	—	0.69	µg/L	J	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6020	Nickel	—	3.2	—	—	0.5	µg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Nickel	<	1.8	—	—	1	µg/L	J	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Nickel	<	5.6	—	—	0.69	µg/L	—	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Nickel	<	0.93	—	—	0.69	µg/L	B	U	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Nickel	—	0.877	—	—	0.69	µg/L	B	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6010	Strontium	—	191	—	—	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-5	719	9/28/2004	WG	F	CS	—	Met	6010	Strontium	—	186	—	—	0.178	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Strontium	—	209	—	—	0.178	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Strontium	—	201	—	—	0.178	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Strontium	—	200	—	—	0.178	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Strontium	—	201	—	—	0.178	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6010	Strontium	—	190	—	—	1	µg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Strontium	—	188	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Strontium	—	192	—	—	0.178	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Strontium	—	219	—	—	0.178	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Strontium	—	209	—	—	0.178	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6020	Thallium	<	0.34	—	—	0.02	µg/L	J	U	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6020	Thallium	—	0.21	—	—	0.02	µg/L	B	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.049	—	—	0.02	µg/L	B	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6020	Thallium	—	0.396	—	—	0.02	µg/L	J	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.103	—	—	0.02	µg/L	J	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.11	—	—	0.02	µg/L	J	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.053	—	—	0.02	µg/L	B	U	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6020	Thallium	—	0.02	—	—	0.02	µg/L	B	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6020	Uranium	—	1.8	—	—	0.05	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6020	Uranium	—	1.8	—	—	0.02	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6020	Uranium	—	1.8	—	—	0.02	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-5	719	4/30/2004	WG	F	DUP	—	Met	6020	Uranium	—	1.8	—	—	0.02	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6020	Uranium	—	1.74	—	—	0.02	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6020	Uranium	—	1.72	—	—	0.02	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6020	Uranium	—	1.7	—	—	0.05	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6020	Uranium	—	1.8	—	—	0.02	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6020	Uranium	—	1.8	—	—	0.02	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6020	Uranium	—	1.78	—	—	0.02	µg/L	—	—	GELC
R-5	719	3/2/2004	WG	UF	CS	—	Met	6020	Uranium	—	1.74	—	—	0.02	µg/L	—	J	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6020	Uranium-238	—	1.558	—	—	0.00367	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Met	6010	Vanadium	—	10.4	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	F	CS	—	Met	6010	Vanadium	—	10.1	—	—	0.606	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	CS	—	Met	6010	Vanadium	—	10.1	—	—	0.606	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	F	DUP	—	Met	6010	Vanadium	—	10.1	—	—	0.606	µg/L	—	—	GELC
R-5	719	2/26/2004	WG	F	CS	—	Met	6010	Vanadium	<	8.56	—	—	0.606	µg/L	—	U	GELC
R-5	719	2/26/2004	WG	F	DUP	—	Met	6010	Vanadium	—	9.12	—	—	0.606	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Met	6010	Vanadium	—	10	—	—	1	µg/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Met	6010	Vanadium	—	8.9	—	—	1	µg/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Met	6010	Vanadium	—	9.9	—	—	0.606	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Met	6010	Vanadium	—	10.8	—	—	0.606	µg/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	10.1	—	—	0.606	µg/L	—	—	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.0135	0.00747	0.023	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.0134	0.0063	0.016000001	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00247	0.00222	0.0223	—	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-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00814	0.005	0.032	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.0103	0.00686	0.033	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.019	0.0137	0.034	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.536	1.01	3.57	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	901.1	Cesium-137	—	-0.404000014	0.610000014	2.099999905	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.231	1.34	4.19	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.887	1.22	4.11	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.263	1.51	2.74	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-1.07	1.31	4.49	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.402	1.13	4.16	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	901.1	Cobalt-60	—	-0.085900001	0.629999995	2.299999952	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.18	0.708	3.92	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.981	1.23	4.74	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.0395	0.788	2.84	—	pCi/L	U	U	GELC
R-5	719	11/13/2001	WG	UF	CS	NA	Rad	901.1	Cobalt-60	—	0.147	0.639999986	2.400000095	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.19	0.489	1.39	—	pCi/L	U	J-, U	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	3.06	0.673	1.64	—	pCi/L	—	J, J-	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.41	0.418	1.2	—	pCi/L	—	J	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	900	Gross beta	—	4.75	0.828	2.52	—	pCi/L	—	J	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Rad	900	Gross beta	—	7.34	0.928	2.92	—	pCi/L	—	J	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	900	Gross beta	—	5.03	0.767	2.53	—	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-5	719	11/13/2001	WG	UF	CS	NA	Rad	900	Gross beta	—	3.81999993	0.40999996	1.299999952	—	pCi/L	—	NQ	GEL
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	92.1	124	243	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	70.9	56.8	230	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	92.4	76.3	320	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	99.8	109	324	—	pCi/L	U	U	GELC
R-5	719	11/13/2001	WG	UF	CS	NA	Rad	901.1	Gross gamma	—	69.0999985	1.200000048	240	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	8.95	8.37	31	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-1.75	8.31	28.6	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	8.44	8.78	30.5	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0	0.00175	0.0168	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	9.66E-10	0.0076	0.029999999	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00195	0.00196	0.0188	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	2.82E-10	0.00472	0.049	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00261	0.0119	0.04	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.0203	0.0114	0.039	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00523	0.00303	0.0195	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.01	0.04	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00781	0.00392	0.0219	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0118	0.00531	0.041	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0182	0.0101	0.042	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00254	0.00568	0.041	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	4.96	14.1	53.4	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	901.1	Potassium-40	—	8.0200004	14	26	—	pCi/L	U	U	GEL

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
											6							
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	6.24	19	51.2	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	-0.318	13.4	48.4	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.4	19.6	25.9	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	59	19.4	79.7	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	0.899	1.26	4.99	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	901.1	Sodium-22	—	0.25099999	0.649999976	2.5	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.86	1.06	4.69	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.61	1.21	4.29	—	pCi/L	U	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.631	0.671	2.59	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	2.89	1.56	6.36	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.0188	0.0495	0.186	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	905.0	Strontium-90	—	-0.191	0.067000002	0.209999993	—	pCi/L	U	U	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.121	0.0605	0.196	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.151	0.073	0.292	—	pCi/L	—	U	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0835	0.056	0.232	—	pCi/L	U	U	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0956	0.0746	0.244	—	pCi/L	U	U	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.998	0.0803	0.0595	—	pCi/L	—	—	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	1.09000003	0.090000004	0.030999999	—	pCi/L	—	NQ	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.937	0.0717	0.0465	—	pCi/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.1	0.0719	0.067	—	pCi/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.919	0.0567	0.064	—	pCi/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.973	0.0771	0.067	—	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-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0211	0.0112	0.0502	—	pCi/L	U	U	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.0397	0.011	0.024	—	pCi/L	—	NQ	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0303	0.0108	0.0393	—	pCi/L	U	U	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0681	0.0134	0.041	—	pCi/L	—	J	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.071	0.0128	0.041	—	pCi/L	—	J	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0662	0.0135	0.041	—	pCi/L	—	J	GELC
R-5	719	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.539	0.051	0.0633	—	pCi/L	—	—	GELC
R-5	719	11/14/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.653	0.059	0.016000001	—	pCi/L	—	NQ	GEL
R-5	719	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.556	0.0481	0.0495	—	pCi/L	—	—	GELC
R-5	719	5/3/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.657	0.0493	0.047	—	pCi/L	—	—	GELC
R-5	719	9/28/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.591	0.0419	0.045	—	pCi/L	—	—	GELC
R-5	719	4/30/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.493	0.0454	0.048	—	pCi/L	—	—	GELC
R-5	861	7/27/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.256	—	—	0.05	µg/L	—	—	GELC
R-5	861	7/27/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	861	2/19/2004	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	861	2/19/2004	WG	F	DUP	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-5	861	11/14/2001	WG	F	CS	NA	Inorg	314.0	Perchlorate	<	4	—	—	0.96	µg/L	U	U	GEL
R-5	861	5/4/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.5	—	—	0.01	SU	H	J	GELC
R-5	861	5/4/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	229	—	—	1	uS/cm	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.08	—	—	0.725	mg/L	H	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3	—	1.1	—	—	0.725	mg/L	H	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.49	—	—	0.725	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.01	—	—	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-6	1205	7/26/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	UH	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3	—	0.864	—	—	0.725	mg/L	HJ	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71.8	—	—	0.725	mg/L	H	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	73.3	—	—	0.725	mg/L	H	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.6	—	—	0.725	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	74	—	—	0.725	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71.7	—	—	1.45	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	0.725	mg/L	H	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.3	—	—	0.725	mg/L	H	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.53	—	—	0.725	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	2.59	—	—	0.725	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.091	—	—	0.01	mg/L	—	R	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	350.1	Ammonia as Nitrogen	—	0.066	—	—	0.01	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.019	—	—	0.01	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	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-6	1205	7/26/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.056	—	—	0.01	mg/L	—	J, R	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	350.1	Ammonia as Nitrogen	—	0.058	—	—	0.01	mg/L	—	J, R	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.02	—	—	0.01	mg/L	J	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	<	0.016	—	—	0.01	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6010	Calcium	—	13.2	—	—	0.036	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	13.5	—	—	0.036	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	6010	Calcium	—	13.3	—	—	0.036	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	14.3	—	—	0.036	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	6010	Calcium	—	14.5	—	—	0.036	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	12.6	—	—	0.036	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	12.6	—	—	0.036	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	27.8	—	—	0.036	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	13.7	—	—	0.036	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	13.8	—	—	0.036	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	24.9	—	—	0.89	mg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen	—	31.1	—	—	0.89	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
									Demand									
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	300	Chloride	—	2.22	—	—	0.066	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	300	Chloride	—	2.2	—	—	0.066	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	300	Chloride	—	2.25	—	—	0.066	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	2.42	—	—	0.053	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	300	Chloride	—	2.32	—	—	0.053	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	300	Chloride	—	2.19	—	—	0.066	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	2.18	—	—	0.066	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.154	—	—	0.066	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
R-6	1205	8/23/2005	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053	—	—	0.053	mg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.453	—	—	0.033	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.464	—	—	0.033	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.476	—	—	0.033	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.465	—	—	0.03	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.439	—	—	0.03	mg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.445	—	—	0.033	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.461	—	—	0.033	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.046	—	—	0.033	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
R-6	1205	8/23/2005	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	47.2	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	48.4	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	47.2	—	—	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-6	1205	3/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	52.3	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	45.3	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	45.4	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	89.7	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	49.8	—	—	0.085	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	—	0.1	—	—	0.085	mg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.47	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	3.57	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	3.42	—	—	0.085	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.01	—	—	0.085	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	4	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.35	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	3.36	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.91	—	—	0.085	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.79	—	—	0.085	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.75	—	—	0.085	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.28	—	—	0.014	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.252	—	—	0.014	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.262	—	—	0.014	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.292	—	—	0.017	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.28	—	—	0.017	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-6	1205	7/26/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.246	—	—	0.014	mg/L	—	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.24	—	—	0.014	mg/L	—	J	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.014	—	—	0.014	mg/L	U	R	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.017	—	—	0.017	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.233	—	—	0.017	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.371	—	—	0.05	µg/L	—	J	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	0.371	—	—	0.05	µg/L	—	J	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	150.1	pH	—	8.07	—	—	0.01	SU	H	J	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	150.1	pH	—	8.09	—	—	0.01	SU	H	J	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	150.1	pH	—	8.33	—	—	0.01	SU	H	J	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.95	—	—	0.01	SU	H	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	150.1	pH	—	8.2	—	—	0.01	SU	H	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	8.08	—	—	0.01	SU	H	J	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.76	—	—	0.01	SU	H	J	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	4.32	—	—	0.01	SU	H	J	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6010	Potassium	—	1.25	—	—	0.05	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	1.27	—	—	0.05	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	6010	Potassium	—	1.32	—	—	0.05	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	1.48	—	—	0.05	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	6010	Potassium	—	1.48	—	—	0.05	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	1.21	—	—	0.05	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	1.25	—	—	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-6	1205	5/11/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	0.659	—	—	0.05	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	1.45	—	—	0.05	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	1.44	—	—	0.05	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	74.1	—	—	0.032	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	74.6	—	—	0.032	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	74.8	—	—	0.032	mg/L	—	J	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	77.5	—	—	0.032	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	79.6	—	—	0.032	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	71.1	—	—	0.032	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	70.9	—	—	0.032	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.032	—	—	0.032	mg/L	U	J, R	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	—	0.05	—	—	0.032	mg/L	J	J-	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	78.2	—	—	0.032	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	6010	Sodium	—	15.6	—	—	0.045	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	15.4	—	—	0.045	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	6010	Sodium	—	15.5	—	—	0.045	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	14.7	—	—	0.045	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	6010	Sodium	—	15.9	—	—	0.045	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	14.7	—	—	0.045	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	14.5	—	—	0.045	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	19.2	—	—	0.045	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	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-6	1205	3/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	15.5	—	—	0.045	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.045	—	—	0.045	mg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	17.2	—	—	0.045	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	154	—	—	1	uS/cm	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	154	—	—	1	uS/cm	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	164	—	—	1	uS/cm	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	163	—	—	1	uS/cm	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	154	—	—	1	uS/cm	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	154	—	—	1	uS/cm	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.74	—	—	1	uS/cm	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	1.4	—	—	1	uS/cm	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.69	—	—	0.1	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	2.69	—	—	0.1	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.76	—	—	0.1	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.82	—	—	0.057	mg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	300	Sulfate	—	2.79	—	—	0.057	mg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	2.73	—	—	0.1	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	2.73	—	—	0.1	mg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.275	—	—	0.1	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
R-6	1205	8/23/2005	WG	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
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	154	—	—	2.38	mg/L	H	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	162	—	—	2.38	mg/L	H	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	165	—	—	2.38	mg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	163	—	—	2.38	mg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	161	—	—	2.38	mg/L	H	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	160	—	—	2.38	mg/L	H	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	8	—	—	2.38	mg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	2.38	—	—	2.38	mg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.051	—	—	0.01	mg/L	J	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	J-, JN-	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.016	—	—	0.01	mg/L	J	J, R, UJ	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	7/26/2006	WG	UF	RE	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.02	—	—	0.02	mg/L	UH	UJ	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, 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-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.054	—	—	0.01	mg/L	J	J-, U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.015	—	—	0.01	mg/L	J	J-, JN-	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.012	—	—	0.01	mg/L	J	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.028	—	—	0.01	mg/L	J	U	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.032	—	—	0.01	mg/L	J	U	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	R	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.028	—	—	0.01	mg/L	J	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.056	—	—	0.01	mg/L	—	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	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-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Aluminum	—	112	—	—	68	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Aluminum	—	98.6	—	—	68	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Aluminum	<	68	—	—	68	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Barium	—	21.6	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Barium	—	21.8	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Barium	—	24.5	—	—	1	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Barium	—	27.8	—	—	1	µg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Barium	—	27.3	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Barium	—	21.5	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Barium	—	21.3	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Barium	—	29	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Barium	—	26.7	—	—	1	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Barium	—	26.5	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Boron	—	24.3	—	—	10	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Boron	—	23.8	—	—	10	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Boron	—	28.7	—	—	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-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Boron	—	27.2	—	—	10	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Boron	—	20.4	—	—	10	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Boron	—	23.1	—	—	10	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Boron	—	21.3	—	—	10	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Boron	—	21.2	—	—	10	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Boron	—	26.5	—	—	10	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Boron	—	20.7	—	—	10	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6020	Chromium	—	6.4	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6020	Chromium	—	6.3	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Chromium	—	3.5	—	—	1	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Chromium	—	4.5	—	—	1	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Chromium	—	3.4	—	—	1	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6020	Chromium	—	7	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6020	Chromium	—	7.5	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Chromium	—	2.8	—	—	1	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Chromium	—	4.6	—	—	1	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Chromium	—	3.4	—	—	1	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Copper	—	5	—	—	3	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-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Copper	—	3.4	—	—	3	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Copper	—	4	—	—	3	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Copper	—	3.1	—	—	3	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Copper	<	3	—	—	3	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Iron	<	89.7	—	—	18	µg/L	J	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Iron	—	114	—	—	18	µg/L	—	J+	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Iron	—	49.4	—	—	18	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Iron	—	146	—	—	18	µg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Iron	—	152	—	—	18	µg/L	—	J+	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Iron	—	187	—	—	18	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Iron	<	40.1	—	—	18	µg/L	J	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Iron	—	21.1	—	—	18	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Iron	—	34.9	—	—	18	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Manganese	—	16	—	—	2	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Manganese	—	16	—	—	2	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Manganese	—	28.2	—	—	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-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Manganese	—	40.4	—	—	2	µg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6020	Manganese	—	36.9	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Manganese	—	17.6	—	—	2	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Manganese	—	16.7	—	—	2	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Manganese	—	11.6	—	—	2	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	36.8	—	—	2	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6020	Manganese	—	32.1	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3	—	—	2	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Molybdenum	—	2.4	—	—	2	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Molybdenum	—	3	—	—	2	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Molybdenum	—	2.9	—	—	2	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6020	Molybdenum	—	2.3	—	—	0.1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.1	—	—	2	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Molybdenum	—	2.3	—	—	2	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Molybdenum	<	2	—	—	2	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6020	Molybdenum	—	2.6	—	—	0.1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6020	Nickel	—	0.93	—	—	0.5	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6020	Nickel	—	0.94	—	—	0.5	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6020	Nickel	—	1.6	—	—	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-6	1205	3/1/2006	WG	F	CS	—	Met	6020	Nickel	—	0.69	—	—	0.5	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Nickel	—	1.2	—	—	1	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.5	—	—	0.5	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6020	Nickel	—	1.7	—	—	0.5	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.3	—	—	0.5	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.2	—	—	0.5	µg/L	J	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Nickel	—	1.8	—	—	1	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Strontium	—	54.5	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Strontium	—	54.9	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Strontium	—	53.5	—	—	1	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Strontium	—	60.8	—	—	1	µg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Strontium	—	59.9	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Strontium	—	51.7	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Strontium	—	51.5	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Strontium	—	127	—	—	1	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	58.2	—	—	1	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Strontium	—	57.5	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6020	Thallium	—	0.5	—	—	0.4	µg/L	J	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	F	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-6	1205	3/1/2006	WG	F	CS	—	Met	6020	Thallium	—	0.55	—	—	0.4	µg/L	J	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6020	Uranium	—	0.54	—	—	0.05	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6020	Uranium	—	0.5	—	—	0.05	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6020	Uranium	—	0.47	—	—	0.05	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.52	—	—	0.05	µg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6020	Uranium	—	0.57	—	—	0.05	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.48	—	—	0.05	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6020	Uranium	—	0.49	—	—	0.05	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.46	—	—	0.05	µg/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.55	—	—	0.05	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.56	—	—	0.05	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Met	6010	Vanadium	—	8.8	—	—	1	µg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Met	6010	Vanadium	—	9.2	—	—	1	µg/L	—	J+	GELC
R-6	1205	5/11/2006	WG	F	CS	—	Met	6010	Vanadium	—	8.4	—	—	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-6	1205	3/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	9.3	—	—	1	µg/L	—	—	GELC
R-6	1205	11/17/2005	WG	F	CS	—	Met	6010	Vanadium	—	8.5	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Met	6010	Vanadium	—	8.3	—	—	1	µg/L	—	J+	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	7.9	—	—	1	µg/L	—	J+	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Met	6010	Vanadium	—	2.2	—	—	1	µg/L	J	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	8.4	—	—	1	µg/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Met	6010	Vanadium	—	8.1	—	—	1	µg/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00151	0.00365	0.0252	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	-0.00743	0.00365	0.0237	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0017	0.00405	0.0206	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	-0.00203	0.0018	0.0203	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00381	0.00612	0.0297	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	-0.0116	0.00677	0.0299	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0023	0.00454	0.0413	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	0.00639	0.00361	0.0311	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00309	0.00234	0.0279	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	-0.763	1.13	2.99	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	-0.948	0.833	2.89	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.608	1.11	4.08	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	0.366	0.897	3.32	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.653	0.979	3.42	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	1.54	1.16	4.33	—	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-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.43	0.948	3.31	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	0.879	1.26	3.88	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.639	0.993	3.35	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.891	1.16	2.99	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	0.469	0.829	3.14	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.833	1.09	4.25	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	1.98	1.24	3.75	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.108	1.04	3.87	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	-0.0989	1.18	4.34	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.52	1.1	4.39	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	0.818	0.987	3.87	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.286	1.13	3.94	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.967	0.563	2.09	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	0.738	0.397	1.36	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.898	0.36	1.16	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	1.92	0.498	1.32	—	pCi/L	—	J	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.428	0.454	1.92	—	pCi/L	U	J-, U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.67	0.296	0.896	—	pCi/L	U	J-, U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	2.36	0.472	1.03	—	pCi/L	—	J, JN+	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	2.67	0.87	2.64	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	900	Gross beta	—	1.55	0.688	2.68	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	900	Gross beta	—	0.946	0.671	2.72	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	900	Gross beta	—	1.08	0.687	2.77	—	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-6	1205	7/26/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	1.77	0.776	3	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	900	Gross beta	—	2.09	0.684	2.56	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	1.55	0.727	2.83	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.12	0.781	2.68	—	pCi/L	—	J	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	2.28	0.749	2.81	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	65.7	55.6	198	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Gross gamma	—	76	78	283	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	81.4	67.5	285	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	93.3	79.2	289	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	99.6	101	395	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	106	84.7	377	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	80.6	61.2	341	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	80.9	82.2	322	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	4.68	12.2	24.1	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Neptunium-237	—	0.749	6.02	19.9	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	1.05	7.25	25	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-3.78	7.66	26.9	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.94	7.24	24.4	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	-6.44	8.62	28.8	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	5.93	4.91	15.5	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	-9.95	7.82	26	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00764	0.0111	0.0245	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Plutonium-238	—	-0.00467	0.014	0.0224	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00412	0.0124	0.0198	—	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-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	-0.00467	0.00739	0.0224	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00903	0.0128	0.0271	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0.0078	0.00915	0.0234	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00226	0.00983	0.0271	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	-0.00507	0.0119	0.0304	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00252	0.00564	0.0524	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0	0.0102	0.0285	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	-0.007	0.0121	0.0261	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00206	0.0132	0.023	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	-0.00933	0.00934	0.0261	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0181	0.00784	0.0297	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	-0.00975	0.00704	0.0257	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0203	0.00986	0.0297	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	-0.00253	0.00982	0.0334	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00252	0.00667	0.0442	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	21.9	15	30.7	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Potassium-40	—	32.2	10.9	23.5	—	pCi/L	UI	R	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	11.8	16.9	31.7	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	38.8	13.2	55.4	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	23	20.6	37.5	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	14.7	13.4	46.9	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	17.6	18.6	35.4	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	35.5	11.9	50.1	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	16.4	25.6	34.7	—	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
R-6	1205	7/26/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-1.31	1.22	3.76	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-1.33	0.876	2.78	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.74	1.02	4.01	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-0.508	0.933	3.36	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.01	1.1	3.46	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.24	1.14	4.52	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.2	1.17	4.31	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	0.564	0.801	2.94	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.324	1.11	3.99	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0889	0.0992	0.436	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.175	0.105	0.431	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.182	0.087	0.471	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	-0.0773	0.0763	0.389	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0119	0.0485	0.193	—	pCi/L	U	J, U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.192	0.0554	0.199	—	pCi/L	U	J, U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0715	0.0927	0.441	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.272	0.111	0.43	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0208	0.0724	0.365	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.408	0.0415	0.0542	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Uranium-234	—	0.382	0.0368	0.0442	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.476	0.0439	0.0489	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	0.37	0.0362	0.0449	—	pCi/L	—	J	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.359	0.0346	0.071	—	pCi/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.00218	0.0136	0.0695	—	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-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.436	0.0424	0.0794	—	pCi/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	0.0301	0.0127	0.0873	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.443	0.0357	0.0653	—	pCi/L	—	—	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	-0.00643	0.0111	0.0457	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0341	0.00965	0.0373	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0232	0.00831	0.0413	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.0133	0.00708	0.0379	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0165	0.00875	0.0344	—	pCi/L	U	U	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0189	0.00901	0.0337	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0246	0.0116	0.0385	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	0.0102	0.0059	0.0423	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0159	0.00839	0.0492	—	pCi/L	U	U	GELC
R-6	1205	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.138	0.0216	0.0577	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.136	0.0196	0.047	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.171	0.0224	0.052	—	pCi/L	—	J	GELC
R-6	1205	7/26/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.153	0.0206	0.0477	—	pCi/L	—	J	GELC
R-6	1205	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.143	0.0195	0.0398	—	pCi/L	—	—	GELC
R-6	1205	5/11/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.00218	0.00899	0.039	—	pCi/L	U	U	GELC
R-6	1205	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.237	0.0284	0.0445	—	pCi/L	—	—	GELC
R-6	1205	3/1/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	0.0219	0.00958	0.049	—	pCi/L	U	U	GELC
R-6	1205	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.225	0.0245	0.0462	—	pCi/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	72.8	—	—	0.725	mg/L	H	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	75.2	—	—	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-6i	602	3/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	77.6	—	—	0.725	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	74.7	—	—	1.45	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	73.3	—	—	0.725	mg/L	H	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.059	—	—	0.01	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.023	—	—	0.01	mg/L	J	U	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.153	—	—	0.01	mg/L	—	R	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.027	—	—	0.01	mg/L	J	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6010	Calcium	—	26	—	—	0.036	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	6010	Calcium	—	28.4	—	—	0.036	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	28.4	—	—	0.036	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	6010	Calcium	—	29.9	—	—	0.036	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	24.1	—	—	0.036	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	13.4	—	—	0.036	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	28.9	—	—	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-6i	602	11/17/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	29	—	—	0.036	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	28	—	—	0.89	mg/L	—	J+	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	300	Chloride	—	17.4	—	—	0.066	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	300	Chloride	—	17.6	—	—	0.066	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	17.7	—	—	0.053	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	300	Chloride	—	17.1	—	—	0.053	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	300	Chloride	—	17.4	—	—	0.066	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	300	Chloride	<	0.171	—	—	0.053	mg/L	J	J+, U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.626	—	—	0.033	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.615	—	—	0.033	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.614	—	—	0.03	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	300	Fluoride	—	0.575	—	—	0.03	mg/L	—	J+	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.614	—	—	0.033	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03	—	—	0.03	mg/L	U	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	83.9	—	—	0.085	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	91.4	—	—	0.085	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	92.2	—	—	0.085	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	77.6	—	—	0.085	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	47.5	—	—	0.085	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	93.8	—	—	0.085	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.6	—	—	0.085	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	4.98	—	—	0.085	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	5.14	—	—	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-6i	602	11/17/2005	WG	F	CS	—	Inorg	6010	Magnesium	—	5.37	—	—	0.085	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	4.26	—	—	0.085	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	3.43	—	—	0.085	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.28	—	—	0.085	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	5.22	—	—	0.085	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.97	—	—	0.014	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.45	—	—	0.14	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.87	—	—	0.017	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.77	—	—	0.17	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	4.99	—	—	0.014	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.72	—	—	0.17	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	3.58	—	—	0.17	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.017	—	—	0.017	mg/L	U	R	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	—	6.5	—	—	4	µg/L	J	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	8.32	—	—	1	µg/L	—	J	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.56	—	—	0.01	SU	H	J	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	150.1	pH	—	7.55	—	—	0.01	SU	H	J	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	6.43	—	—	0.01	SU	H	J	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	150.1	pH	—	7.56	—	—	0.01	SU	H	J	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6010	Potassium	—	0.607	—	—	0.05	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	6010	Potassium	—	0.686	—	—	0.05	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	0.685	—	—	0.05	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	6010	Potassium	—	0.693	—	—	0.05	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	0.572	—	—	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-6i	602	5/11/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	1.36	—	—	0.05	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	0.825	—	—	0.05	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	0.672	—	—	0.05	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	68.8	—	—	0.032	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	72	—	—	0.032	mg/L	—	J	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	70	—	—	0.032	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	73	—	—	0.032	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	64	—	—	0.032	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	73.2	—	—	0.032	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	72.3	—	—	0.032	mg/L	—	J	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.0609	—	—	0.032	mg/L	J	J, U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	6010	Sodium	—	20.2	—	—	0.045	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	6010	Sodium	—	19.7	—	—	0.045	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	19.8	—	—	0.045	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	6010	Sodium	—	20.8	—	—	0.045	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	18.6	—	—	0.045	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	16.1	—	—	0.045	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	20.2	—	—	0.045	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	20.4	—	—	0.045	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	260	—	—	1	uS/cm	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	284	—	—	1	uS/cm	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	289	—	—	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-6i	602	7/26/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	262	—	—	1	uS/cm	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	300	Sulfate	—	9.86	—	—	0.1	mg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	300	Sulfate	—	11	—	—	0.1	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	12	—	—	0.057	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	300	Sulfate	—	12.3	—	—	0.057	mg/L	—	J+	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	10	—	—	0.1	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057	—	—	0.057	mg/L	U	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	227	—	—	2.38	mg/L	H	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	235	—	—	2.38	mg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	232	—	—	2.38	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	233	—	—	2.38	mg/L	H	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	0.01	mg/L	J	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.016	—	—	0.01	mg/L	J	R, UJ	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.069	—	—	0.01	mg/L	J	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	R, UJ	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.089	—	—	0.01	mg/L	J	J-, U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	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-6i	602	7/26/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	1.29	—	—	0.33	mg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	2.38	—	—	0.074	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	4.38	—	—	0.074	mg/L	—	—	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	—	0.778	—	—	0.074	mg/L	J	J-	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.016	—	—	0.01	mg/L	J	J-, JN-	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.053	—	—	0.01	mg/L	—	JN-	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.069	—	—	0.01	mg/L	—	U	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.059	—	—	0.01	mg/L	—	U	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	R	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	—	0.034	—	—	0.01	mg/L	J	J-, JN-	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.074	—	—	0.01	mg/L	—	U	GELC
R-6i	602	8/24/2005	WG	UF	CS	—	Inorg	365.4	Total Phosphate as Phosphorus	<	0.096	—	—	0.01	mg/L	—	U	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	300	Total Phosphate as Phosphorus	<	0.038	—	—	0.038	mg/L	UH	UJ	GELC
R-6i	602	8/24/2005	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	—	0.054	—	—	0.01	mg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Inorg	160.2	Total Suspended Solids	—	1.38	—	—	0.713	mg/L	HJ	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Barium	—	26.1	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Barium	—	29.2	—	—	1	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Barium	—	33.3	—	—	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-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Barium	—	35.2	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Barium	—	24.3	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Barium	—	23.8	—	—	1	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Barium	—	36.2	—	—	1	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Barium	—	30.7	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Boron	—	20.5	—	—	10	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Boron	—	22.3	—	—	10	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Boron	—	23.4	—	—	10	µg/L	J	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Boron	—	16.8	—	—	10	µg/L	J	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Boron	—	19.3	—	—	10	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Boron	—	24.2	—	—	10	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Boron	—	23.3	—	—	10	µg/L	J	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Boron	—	16.2	—	—	10	µg/L	J	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6020	Chromium	—	3.6	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Chromium	—	1.8	—	—	1	µg/L	J	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6020	Chromium	—	4.3	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Chromium	—	4	—	—	1	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Chromium	—	10	—	—	1	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Chromium	—	2.5	—	—	1	µg/L	J	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Iron	—	144	—	—	18	µg/L	—	J+	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Iron	—	52.8	—	—	18	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Iron	<	51.7	—	—	18	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-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Iron	—	244	—	—	18	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Iron	—	164	—	—	18	µg/L	—	J+	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Iron	—	93.9	—	—	18	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Iron	—	1190	—	—	18	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Iron	—	432	—	—	18	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Manganese	—	4.5	—	—	2	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Manganese	—	6.4	—	—	2	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Manganese	—	6.7	—	—	2	µg/L	J	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6020	Manganese	—	18.9	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Manganese	—	4.4	—	—	2	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Manganese	—	20	—	—	2	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Manganese	—	29.4	—	—	2	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6020	Manganese	—	25.5	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6020	Nickel	—	1.5	—	—	0.5	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6020	Nickel	—	2.2	—	—	0.5	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Nickel	—	9.2	—	—	1	µg/L	—	J	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6020	Nickel	—	1.6	—	—	0.5	µg/L	J	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6020	Nickel	—	2.2	—	—	0.5	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Nickel	—	2.2	—	—	1	µg/L	J	J	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Strontium	—	118	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Strontium	—	129	—	—	1	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Strontium	—	134	—	—	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-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Strontium	—	137	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Strontium	—	109	—	—	1	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Strontium	—	54.9	—	—	1	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	136	—	—	1	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Strontium	—	133	—	—	1	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6020	Uranium	—	0.64	—	—	0.05	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6020	Uranium	—	0.65	—	—	0.05	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.73	—	—	0.05	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6020	Uranium	—	0.8	—	—	0.05	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.65	—	—	0.05	µg/L	—	—	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.62	—	—	0.05	µg/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.79	—	—	0.05	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6020	Uranium	—	0.76	—	—	0.05	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Met	6010	Zinc	—	45.7	—	—	2	µg/L	—	J+	GELC
R-6i	602	5/11/2006	WG	F	CS	—	Met	6010	Zinc	<	12.4	—	—	2	µg/L	—	U	GELC
R-6i	602	3/1/2006	WG	F	CS	—	Met	6010	Zinc	—	16.5	—	—	2	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	F	CS	—	Met	6010	Zinc	—	12.9	—	—	2	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Met	6010	Zinc	<	9.6	—	—	2	µg/L	J	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Met	6010	Zinc	<	13.2	—	—	2	µg/L	—	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Met	6010	Zinc	—	29.9	—	—	2	µg/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Met	6010	Zinc	—	18.1	—	—	2	µg/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.00539	0.00456	0.0241	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0164	0.00601	0.0244	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00814	0.0116	0.0305	—	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-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00465	0.00429	0.032	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00202	0.00566	0.041	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.791	1.3	4.26	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.807	1.01	3.49	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.203	0.934	3.45	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.103	1.39	4.9	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.0263	0.849	3.01	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	0.0992	1.14	4.3	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.35	1.23	4.37	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.86	1.06	4.4	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	2.29	1.28	5.34	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.283	0.891	3.24	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	900	Gross alpha	—	-0.245	0.657	2.94	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.0594	0.629	2.93	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	1.31	0.479	1.42	—	pCi/L	U	J-, U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	3.48	0.848	1.85	—	pCi/L	—	J, JN+	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	900	Gross beta	—	0.948	0.709	2.89	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	900	Gross beta	—	2.13	0.774	2.93	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	900	Gross beta	—	0.921	0.655	2.6	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	4.85	0.862	2.96	—	pCi/L	—	J	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	61.6	52.4	234	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	81.1	54.7	245	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	66.4	90.4	205	—	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-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	89.3	67.6	322	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	3.28	9.41	28.3	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-3.95	7.49	25.4	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	7.45	7.04	24.9	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	1.97	5.47	19.1	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.0042	0.00787	0.0202	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0099	0.00702	0.0355	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00556	0.0088	0.0334	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00364	0.0175	0.0426	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	6.86E-10	0.00705	0.0598	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.0147	0.00699	0.0235	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00948	0.0116	0.0415	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00278	0.00482	0.0366	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.00364	0.0141	0.0467	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00863	0.00644	0.0505	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	43.6	15.1	62.6	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	44.3	13.1	56	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	16.2	26.4	39.3	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	30.4	13.1	55.8	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	25.6	19.4	38.5	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	1.91	0.991	4.03	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.23	1.09	4.34	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.879	1.2	3.53	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.77	1.33	4.97	—	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-6i	602	11/17/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.0928	0.935	3.49	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.076	0.076	0.39	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.158	0.0887	0.362	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.287	0.107	0.421	—	pCi/L	U	J, U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.0142	0.0985	0.447	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.0548	0.0799	0.41	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.511	0.0474	0.0522	—	pCi/L	—	J	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.559	0.0489	0.0484	—	pCi/L	—	J	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.537	0.0501	0.0816	—	pCi/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.653	0.0587	0.0902	—	pCi/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.666	0.0496	0.0766	—	pCi/L	—	—	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0155	0.00698	0.0441	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0172	0.0071	0.0408	—	pCi/L	U	U	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0221	0.0131	0.0396	—	pCi/L	U	U	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0245	0.0106	0.0437	—	pCi/L	U	U	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0248	0.0108	0.0577	—	pCi/L	U	U	GELC
R-6i	602	7/26/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.205	0.0267	0.0556	—	pCi/L	—	J	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.241	0.0285	0.0515	—	pCi/L	—	J	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.2	0.0265	0.0457	—	pCi/L	—	—	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.209	0.0279	0.0506	—	pCi/L	—	—	GELC
R-6i	602	11/17/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.279	0.0287	0.0543	—	pCi/L	—	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	SV	8270	Dioxane[1,4-]	—	2.66	—	—	1.04	µg/L	J	J	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	SV	8270	Dioxane[1,4-]	<	10.2	—	—	1.02	µg/L	U	—	GELC
R-6i	602	7/26/2006	WG	UF	CS	—	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	UH	R, 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-6i	602	7/26/2006	WG	UF	CS	FTB	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	U	R, UJ	GELC
R-6i	602	5/11/2006	WG	UF	CS	—	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	U	R	GELC
R-6i	602	5/11/2006	WG	UF	CS	FTB	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	U	R	GELC
R-6i	602	3/1/2006	WG	UF	CS	—	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	U	R	GELC
R-6i	602	3/1/2006	WG	UF	CS	FTB	Voa	8260	Dioxane[1,4-]	<	50	—	—	20	µg/L	U	R	GELC
R-7	915.1	4/26/2005	WG	UF	CS	—	Inorg	150.1	pH	—	6.72	—	—	0.01	SU	H	J	GELC
R-7	915.1	5/26/2004	WG	UF	CS	—	Inorg	150.1	pH	—	6.92	—	—	—	SU	H	J	GELC
R-7	915.1	12/18/2003	WG	UF	CS	—	Inorg	150.1	pH	—	6.69	—	—	0.01	SU	H	J	GELC
R-7	915.1	12/18/2003	WG	UF	DUP	—	Inorg	150.1	pH	—	6.75	—	—	0.01	SU	H	—	GELC
R-7	915.1	4/26/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	96.4	—	—	1	uS/cm	—	—	GELC
R-7	915.1	5/26/2004	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	98.2	—	—	1	uS/cm	—	—	GELC
R-7	915.1	12/18/2003	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	97.7	—	—	1	uS/cm	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.784	—	—	0.725	mg/L	J	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	66.6	—	—	0.725	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	1.45	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	66.2	—	—	1.45	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	71.3	—	—	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-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	65.6	—	—	0.725	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	59.5	—	—	1.45	mg/L	—	J	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.117	—	—	0.01	mg/L	—	J	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	—	0.062	—	—	0.01	mg/L	—	J	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	4/26/2004	WG	UF	CS	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	UJ	GELC
R-8	711.1	4/26/2004	WG	UF	DUP	—	Inorg	350.1	Ammonia as Nitrogen	<	0.0159	—	—	0.0159	mg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6010	Calcium	—	17	—	—	0.036	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	6010	Calcium	—	17.5	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	6010	Calcium	—	16.9	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	17.1	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	6010	Calcium	—	17.1	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	6010	Calcium	—	16.7	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	17.1	—	—	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-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	17.1	—	—	0.036	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	17.7	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	17.1	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Inorg	6010	Calcium	—	17.3	—	—	0.00554	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	300	Chloride	—	1.49	—	—	0.066	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	300	Chloride	<	1.52	—	—	0.0322	mg/L	—	U	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	300	Chloride	—	1.47	—	—	0.0322	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	300	Chloride	—	1.48	—	—	0.0322	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	CS	—	Inorg	300	Chloride	—	1.45	—	—	0.0322	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	DUP	—	Inorg	300	Chloride	—	1.48	—	—	0.0322	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	300	Chloride	—	1.47	—	—	0.066	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	300	Chloride	—	1.38	—	—	0.053	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.569	—	—	0.033	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.571	—	—	0.0553	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.597	—	—	0.0553	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	0.583	—	—	0.0553	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	CS	—	Inorg	300	Fluoride	—	0.557	—	—	0.0553	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	DUP	—	Inorg	300	Fluoride	—	0.57	—	—	0.0553	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.547	—	—	0.033	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.536	—	—	0.03	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	53.6	—	—	0.085	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	54	—	—	0.085	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	54.4	—	—	0.085	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	2.7	—	—	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-8	711.1	12/8/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	2.85	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	2.79	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	2.83	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	6010	Magnesium	—	2.82	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	6010	Magnesium	—	2.75	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.72	—	—	0.085	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.84	—	—	0.085	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.95	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	2.85	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Inorg	6010	Magnesium	—	2.88	—	—	0.00518	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.374	—	—	0.014	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.363	—	—	0.003	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.367	—	—	0.003	mg/L	H	J	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.35	—	—	0.01	mg/L	—	J+	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.36	—	—	0.01	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.41	—	—	0.014	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.356	—	—	0.003	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.387	—	—	0.003	mg/L	H	J	GELC
R-8	711.1	4/26/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.36	—	—	0.01	mg/L	—	J+	GELC
R-8	711.1	4/26/2004	WG	UF	DUP	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.36	—	—	0.01	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.289	—	—	0.05	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-8	711.1	2/25/2004	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	150.1	pH	—	8.21	—	—	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-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	150.1	pH	—	8.33	—	—	0.01	SU	H	J	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.8	—	—	—	SU	H	J	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6010	Potassium	—	1.99	—	—	0.05	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	6010	Potassium	—	2.09	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	6010	Potassium	—	1.84	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	1.85	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	6010	Potassium	—	2.07	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	6010	Potassium	—	2.03	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	1.99	—	—	0.05	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	2.13	—	—	0.05	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	2.12	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	1.86	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Inorg	6010	Potassium	—	1.84	—	—	0.0165	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	58.5	—	—	0.032	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	27	—	—	0.00983	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	26.4	—	—	0.00983	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	26.3	—	—	0.00983	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	55.9	—	—	0.0212	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	6010	Silicon Dioxide	—	54.8	—	—	0.0212	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	58.2	—	—	0.032	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	55.8	—	—	0.032	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	28.1	—	—	0.00983	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	26.8	—	—	0.00983	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Inorg	6010	Silicon Dioxide	—	27.3	—	—	0.00983	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-8	711.1	8/1/2006	WG	F	CS	—	Inorg	6010	Sodium	—	9.48	—	—	0.045	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	6010	Sodium	—	9.78	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Inorg	6010	Sodium	—	8.83	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	8.88	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	6010	Sodium	—	9.88	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	6010	Sodium	—	9.64	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	9.54	—	—	0.045	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	9.74	—	—	0.045	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	9.66	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	8.77	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Inorg	6010	Sodium	—	8.83	—	—	0.0144	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	146	—	—	1	uS/cm	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	155	—	—	1	uS/cm	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	139	—	—	1	uS/cm	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	300	Sulfate	—	2.14	—	—	0.1	mg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Inorg	300	Sulfate	—	2.23	—	—	0.193	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Inorg	300	Sulfate	—	2.12	—	—	0.193	mg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	2.07	—	—	0.193	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	CS	—	Inorg	300	Sulfate	—	2.02	—	—	0.193	mg/L	—	—	GELC
R-8	711.1	2/25/2004	WG	F	DUP	—	Inorg	300	Sulfate	—	2.01	—	—	0.193	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	2.17	—	—	0.1	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	2.03	—	—	0.057	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved	—	137	—	—	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
									Solids									
R-8	711.1	8/1/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	138	—	—	2.38	mg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	135	—	—	2.38	mg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6010	Barium	—	22.7	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Barium	—	25.3	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Barium	—	21.5	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Barium	—	21.5	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Barium	—	24.3	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Barium	—	23.8	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6010	Barium	—	23.3	—	—	1	µg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Barium	—	23.7	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Barium	—	25.4	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Barium	—	21	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Barium	—	21.2	—	—	0.222	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6010	Boron	—	15.5	—	—	10	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Boron	<	24.9	—	—	4.88	µg/L	J	U	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Boron	—	17.5	—	—	4.88	µg/L	B	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Boron	—	15.8	—	—	4.88	µg/L	B	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Boron	<	22.2	—	—	4.88	µg/L	B	U	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Boron	—	16.1	—	—	4.88	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6010	Boron	—	13.5	—	—	10	µg/L	J	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Boron	—	24.6	—	—	10	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Boron	<	21.1	—	—	4.88	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-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Boron	—	17.9	—	—	4.88	µg/L	B	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Boron	—	19.7	—	—	4.88	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6020	Chromium	—	3.8	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Chromium	—	2.9	—	—	0.503	µg/L	J	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Chromium	<	2.5	—	—	0.503	µg/L	B	U	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Chromium	—	2.34	—	—	0.503	µg/L	B	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Chromium	—	4	—	—	0.503	µg/L	B	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Chromium	—	2.36	—	—	0.503	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6020	Chromium	—	3.2	—	—	1	µg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Chromium	—	7.4	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Chromium	—	10.9	—	—	0.503	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Chromium	—	5	—	—	0.503	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Chromium	—	6.39	—	—	0.503	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6020	Lead	—	10.3	—	—	0.5	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6020	Lead	—	0.058	—	—	0.05	µg/L	J	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6020	Lead	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6020	Lead	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6020	Lead	<	0.05	—	—	0.05	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-8	711.1	8/1/2006	WG	F	CS	—	Met	6020	Nickel	—	0.69	—	—	0.5	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Nickel	<	0.69	—	—	0.69	µg/L	U	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Nickel	—	1.2	—	—	1	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Nickel	—	3.1	—	—	0.69	µg/L	J	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Nickel	<	1.6	—	—	0.69	µg/L	B	U	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Nickel	—	2.66	—	—	0.69	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6010	Strontium	—	88.9	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Strontium	—	97.2	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Strontium	—	88	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Strontium	—	88.4	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Strontium	—	96.3	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Strontium	—	93.8	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6010	Strontium	—	89.6	—	—	1	µg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Strontium	—	96.6	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Strontium	—	96.7	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Strontium	—	87.6	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Strontium	—	88.3	—	—	0.178	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6020	Thallium	—	1	—	—	0.4	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6020	Thallium	<	0.02	—	—	0.02	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-8	711.1	8/24/2004	WG	F	CS	—	Met	6020	Thallium	<	0.24	—	—	0.02	µg/L	B	U	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.065	—	—	0.02	µg/L	B	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6020	Thallium	<	0.27	—	—	0.02	µg/L	B	U	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6020	Thallium	—	0.082	—	—	0.02	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6020	Thallium	<	0.4	—	—	0.4	µg/L	U	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.023	—	—	0.02	µg/L	J	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6020	Thallium	<	0.083	—	—	0.02	µg/L	B	U	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6020	Thallium	—	0.046	—	—	0.02	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6020	Uranium	—	0.38	—	—	0.05	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6020	Uranium	—	0.35	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6020	Uranium	—	0.33	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6020	Uranium	—	0.344	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6020	Uranium	—	0.365	—	—	0.02	µg/L	—	J	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6020	Uranium	—	0.363	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6020	Uranium	—	0.33	—	—	0.05	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6020	Uranium	—	0.34	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6020	Uranium	—	0.34	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6020	Uranium	—	0.34	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	UF	CS	—	Met	6020	Uranium	—	0.37	—	—	0.02	µg/L	—	J	GELC
R-8	711.1	4/26/2004	WG	UF	DUP	—	Met	6020	Uranium	—	0.355	—	—	0.02	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6010	Vanadium	—	13.5	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Vanadium	—	13.4	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Vanadium	—	12.4	—	—	0.606	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-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Vanadium	—	11.7	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Vanadium	—	13.1	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Vanadium	—	12.7	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6010	Vanadium	—	13.3	—	—	1	µg/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Vanadium	—	13.5	—	—	1	µg/L	—	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Vanadium	—	14	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Vanadium	—	13.1	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Vanadium	—	12.3	—	—	0.606	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Met	6010	Zinc	—	2	—	—	2	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	F	CS	—	Met	6010	Zinc	—	3.4	—	—	0.883	µg/L	J	—	GELC
R-8	711.1	8/24/2004	WG	F	CS	—	Met	6010	Zinc	<	5.8	—	—	0.883	µg/L	—	U	GELC
R-8	711.1	8/24/2004	WG	F	DUP	—	Met	6010	Zinc	—	1.74	—	—	0.883	µg/L	B	—	GELC
R-8	711.1	4/26/2004	WG	F	CS	—	Met	6010	Zinc	—	7.3	—	—	0.883	µg/L	—	J+	GELC
R-8	711.1	4/26/2004	WG	F	DUP	—	Met	6010	Zinc	—	7.41	—	—	0.883	µg/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Met	6010	Zinc	<	2	—	—	2	µg/L	U	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Met	6010	Zinc	—	8.4	—	—	2	µg/L	J	—	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Met	6010	Zinc	—	3	—	—	0.883	µg/L	J	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Met	6010	Zinc	<	1.7	—	—	0.883	µg/L	B	U	GELC
R-8	711.1	8/24/2004	WG	UF	DUP	—	Met	6010	Zinc	—	4.33	—	—	0.883	µg/L	B	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Americium-241	—	0.0258	0.0258	0.0375	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.0192	0.0163	0.0443	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.00626	0.00911	0.033	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00771	0.00772	0.03	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	-0.00457	0.00723	0.036	—	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-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	1.52	1.09	4.36	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.412	1	3.77	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.258	0.997	3.61	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.838	0.837	2.94	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.229	0.788	2.76	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-3.18	1.75	4.37	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.54	0.96	3.54	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.23	1.01	3.75	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	1.78	0.954	3.57	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.3	0.971	3.65	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	900	Gross alpha	—	0.703	0.311	0.968	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.0449	0.493	2.16	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	0.967	0.479	1.7	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	900	Gross beta	—	0.112	0.676	2.34	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	900	Gross beta	—	2.02	0.717	2.28	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	900	Gross beta	—	1.8	0.451	1.55	—	pCi/L	—	J	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	67.8	53.9	166	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	170	118	381	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	62.2	65.8	258	—	pCi/L	U	U	GELC
R-8	711.1	4/26/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	142	141	457	—	pCi/L	U	U	GELC
R-8	711.1	4/26/2004	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	126	128	558	—	pCi/L	U	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	5.74	8.11	28.7	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	5.83	7.86	28.3	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-4.68	6.85	23.9	—	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-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	0.00488	0.00489	0.0469	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.0114	0.0105	0.0468	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.00563	0.009	0.039	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.00357	0.00565	0.025	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00504	0.00873	0.039	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	-0.0195	0.012	0.0546	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	-0.0126	0.0146	0.0545	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0112	0.00595	0.033	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.00179	0.00309	0.022	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0101	0.00619	0.04	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	44.1	13.4	61	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	33.7	11.5	36.5	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	13.8	10.5	42.2	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	43.5	11.2	43.3	—	pCi/L	UI	R	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	8.5	21	35.2	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.227	1.25	4.63	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-2.12	1.18	3.8	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.32	0.967	3.95	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-0.675	0.912	3.12	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.691	0.879	3.46	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	0.0238	0.164	0.548	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.218	0.128	0.42	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.124	0.0708	0.264	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	-0.0744	0.047	0.234	—	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-8	711.1	8/24/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.125	0.0864	0.278	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	0.217	0.0304	0.0566	—	pCi/L	—	—	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.184	0.0248	0.0491	—	pCi/L	—	—	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	0.226	0.0272	0.079	—	pCi/L	—	J	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.241	0.0265	0.067	—	pCi/L	—	—	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	0.286	0.0288	0.068	—	pCi/L	—	—	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.00521	0.00724	0.048	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.00289	0.00773	0.0416	—	pCi/L	U	U	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0261	0.0139	0.048	—	pCi/L	U	U	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0212	0.00916	0.044	—	pCi/L	U	U	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0118	0.0053	0.044	—	pCi/L	U	U	GELC
R-8	711.1	8/1/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.107	0.0204	0.0602	—	pCi/L	—	J	GELC
R-8	711.1	8/1/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.113	0.0193	0.0522	—	pCi/L	—	J	GELC
R-8	711.1	4/27/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.0754	0.0162	0.056	—	pCi/L	—	J	GELC
R-8	711.1	12/8/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.0929	0.0153	0.048	—	pCi/L	—	J	GELC
R-8	711.1	8/24/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.135	0.0189	0.048	—	pCi/L	—	J	GELC
R-8	825	4/28/2005	WG	UF	CS	—	Inorg	150.1	pH	—	9.01	—	—	—	SU	H	J	GELC
R-8	825	4/28/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	173	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3	—	0.873	—	—	0.725	mg/L	J	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3	—	0.786	—	—	0.725	mg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	—	1.06	—	—	0.725	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725	—	—	0.725	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	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-9	684	4/28/2005	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3	<	1.45	—	—	1.45	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	110	—	—	0.725	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	111	—	—	0.725	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	120	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	120	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	120	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	111	—	—	0.725	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	—	1.55	—	—	0.725	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3	—	109	—	—	0.725	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	100	—	—	1.45	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	310.1	Alkalinity-CO3+HCO3	—	107	—	—	1.45	mg/L	—	—	GELC
R-9	684	2/28/2000	WG	UF	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3	—	120	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6010	Calcium	—	24.3	—	—	0.036	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6010	Calcium	—	25.5	—	—	0.036	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	6010	Calcium	—	24	—	—	—	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-9	684	9/29/2000	WG	F	CS	NA	Inorg	6010	Calcium	—	25	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	6010	Calcium	—	24.4	—	—	0.036	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036	—	—	0.036	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	6010	Calcium	—	24.6	—	—	0.036	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	6010	Calcium	—	25.2	—	—	0.036	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	6010	Calcium	—	25.1	—	—	0.036	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	6010	Calcium	—	24.7	—	—	0.00554	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	6010	Calcium	—	25.3	—	—	0.00554	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	410.4	Chemical Oxygen Demand	—	8.72	—	—	0.89	mg/L	—	J+	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	410.4	Chemical Oxygen Demand	<	4.5	—	—	0.89	mg/L	J	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand	<	7.31	—	—	0.89	mg/L	—	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	300	Chloride	—	5.9	—	—	0.066	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	300	Chloride	—	5.9	—	—	0.066	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	300	Chloride	—	6.9	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Chloride	—	5.87	0.025	—	—	mg/L	—	NQ	GELC
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	325.1	Chloride	—	7.4	—	—	—	mg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	325.1	Chloride	—	7.1	—	—	—	mg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Chloride	—	5.59	—	—	—	mg/L	—	NQ	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	300	Chloride	—	5.92	—	—	0.066	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	300	Chloride	<	0.066	—	—	0.066	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	300	Chloride	—	5.84	—	—	0.066	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	300	Chloride	—	5.99	—	—	0.053	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	300	Chloride	—	5.86	—	—	0.053	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-9	684	5/27/2004	WG	UF	CS	—	Inorg	300	Chloride	—	6.51	—	—	0.0322	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	300	Chloride	—	6.39	—	—	0.0322	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	300	Fluoride	—	0.332	—	—	0.033	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	300	Fluoride	—	0.352	—	—	0.033	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.32	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.27	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Fluoride	—	0.303	0.014	—	—	mg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.313	—	—	—	mg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Fluoride	—	0.3	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	300	Fluoride	—	0.343	—	—	0.033	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.033	—	—	0.033	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.347	—	—	0.033	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	300	Fluoride	—	0.348	—	—	0.03	mg/L	—	J+	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	300	Fluoride	—	0.362	—	—	0.03	mg/L	—	J+	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	300	Fluoride	—	0.358	—	—	0.0553	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	300	Fluoride	—	0.269	—	—	0.0553	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	A2340	Hardness	—	86.8	—	—	0.085	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	A2340	Hardness	—	91.1	—	—	0.085	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	A2340	Hardness	—	87.1	—	—	0.085	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	A2340	Hardness	—	87.7	—	—	0.085	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	A2340	Hardness	—	89.3	—	—	0.085	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	A2340	Hardness	—	88.8	—	—	0.085	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	200.7	Hardness	—	86.5	—	—	0.00554	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-9	684	12/12/2003	WG	UF	CS	—	Inorg	200.7	Hardness	—	88	—	—	0.00554	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6010	Magnesium	—	6.35	—	—	0.085	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6010	Magnesium	—	6.68	—	—	0.085	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.8	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.7	—	—	—	mg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	6010	Magnesium	—	5.9	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.32	—	—	0.085	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085	—	—	0.085	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.39	—	—	0.085	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.42	—	—	0.085	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	6010	Magnesium	—	6.34	—	—	0.085	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.01	—	—	0.00518	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	6010	Magnesium	—	6.05	—	—	0.00518	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.715	—	—	0.014	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.749	—	—	0.014	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	F	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.578	—	—	0.003	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.623	—	—	0.003	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.69	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.68	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.653	—	—	0.014	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.014	—	—	0.014	mg/L	U	UJ	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N	—	0.736	—	—	0.014	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.67	—	—	0.01	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	353.1	Nitrate-Nitrite as N	—	0.78	—	—	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
R-9	684	9/29/2000	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	—	0.66	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	F	CS	—	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6850	Perchlorate	—	0.884	—	—	0.05	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4	—	—	4	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6850	Perchlorate	—	0.896	—	—	0.05	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	2.02	—	—	—	µg/L	J	U	GELC
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Perchlorate	<	0.958	—	—	—	µg/L	U	U	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Perchlorate	<	1.04	—	—	—	µg/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	150.1	pH	—	8.12	—	—	0.01	SU	H	J	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	150.1	pH	—	8.22	—	—	0.01	SU	H	J	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	150.1	pH	—	8.09	—	—	0.01	SU	H	J	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	150.1	pH	—	5.76	—	—	0.01	SU	H	J	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	150.1	pH	—	8.15	—	—	0.01	SU	H	J	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	150.1	pH	—	7.89	—	—	—	SU	H	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	150.1	pH	—	7.87	—	—	—	SU	H	J	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6010	Potassium	—	3.61	—	—	0.05	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6010	Potassium	—	3.69	—	—	0.05	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	3.5	—	—	—	mg/L	E	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	6010	Potassium	—	3.8	—	—	—	mg/L	E	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	6010	Potassium	—	3.6	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	6010	Potassium	—	3.62	—	—	0.05	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05	—	—	0.05	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	6010	Potassium	—	3.59	—	—	0.05	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	6010	Potassium	—	3.68	—	—	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-9	684	4/28/2005	WG	UF	CS	FD	Inorg	6010	Potassium	—	3.64	—	—	0.05	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	6010	Potassium	—	3.59	—	—	0.0165	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	6010	Potassium	—	3.71	—	—	0.0165	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6010	Silicon Dioxide	—	74.4	—	—	0.032	mg/L	—	J	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6010	Silicon Dioxide	—	76.5	—	—	0.032	mg/L	—	J	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	74.3	—	—	0.032	mg/L	—	J	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.033	—	—	0.032	mg/L	J	J, J-, U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	73.7	—	—	0.032	mg/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	73	—	—	0.032	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide	—	73	—	—	0.032	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	68.7	—	—	0.0212	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	6010	Silicon Dioxide	—	72.1	—	—	0.0212	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	6010	Sodium	—	18.1	—	—	0.045	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	6010	Sodium	—	18.5	—	—	0.045	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	16	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	6010	Sodium	—	15	—	—	—	mg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	6010	Sodium	—	16	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	6010	Sodium	—	17.8	—	—	0.045	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.128	—	—	0.045	mg/L	J	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	6010	Sodium	—	17.5	—	—	0.045	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	6010	Sodium	—	18.5	—	—	0.045	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	6010	Sodium	—	18.3	—	—	0.045	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	6010	Sodium	—	18.7	—	—	0.0144	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-9	684	12/12/2003	WG	UF	CS	—	Inorg	6010	Sodium	—	19	—	—	0.0144	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	120.1	Specific Conductance	—	274	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	120.1	Specific Conductance	—	268	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	120.1	Specific Conductance	—	276	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	120.1	Specific Conductance	—	3.91	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	120.1	Specific Conductance	—	272	—	—	1	uS/cm	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	9050	Specific Conductance	—	240	—	—	1	uS/cm	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	9050	Specific Conductance	—	245	—	—	1	uS/cm	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	300	Sulfate	—	5.76	—	—	0.1	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	300	Sulfate	—	5.77	—	—	0.1	mg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	5.9	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	6.4	—	—	—	mg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	300	Sulfate	—	5.8	0.062	—	—	mg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Sulfate	—	5.11	—	—	—	mg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	300	Sulfate	—	6.3	—	—	—	mg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	300	Sulfate	—	5.79	—	—	0.1	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.1	—	—	0.1	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	300	Sulfate	—	5.75	—	—	0.1	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	300	Sulfate	—	5.79	—	—	0.057	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	300	Sulfate	—	5.74	—	—	0.057	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	300	Sulfate	—	6.42	—	—	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-9	684	12/12/2003	WG	UF	CS	—	Inorg	300	Sulfate	—	6.05	—	—	0.193	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	160.1	Total Dissolved Solids	—	206	—	—	2.38	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids	—	207	—	—	2.38	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	207	—	—	2.38	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	2.38	—	—	2.38	mg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	258	—	—	2.38	mg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	204	—	—	2.38	mg/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids	—	202	—	—	2.38	mg/L	—	J	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	206	—	—	3.07	mg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Inorg	160.1	Total Dissolved Solids	—	209	—	—	3.07	mg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	160.1	Total Dissolved Solids	—	185	—	—	3.07	mg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.013	—	—	0.01	mg/L	J	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.29	—	—	—	mg/L	—	NQ	LVLI
R-9	684	2/13/2001	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.18	—	—	—	mg/L	—	NQ	LVLI
R-9	684	9/29/2000	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.35	—	—	—	mg/L	—	NQ	RECRAP
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	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-9	684	7/31/2006	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.021	—	—	0.01	mg/L	J	JN-	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.052	—	—	0.01	mg/L	J	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	0.01	mg/L	U	UJ	GELC
R-9	684	9/29/2000	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.75	—	—	—	mg/L	—	NQ	RECRAP
R-9	684	2/28/2000	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen	—	0.45	—	—	—	mg/L	—	NQ	RECRAP
R-9	684	7/31/2006	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	<	0.644	—	—	0.33	mg/L	J	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	—	0.727	—	—	0.33	mg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	<	0.658	—	—	0.33	mg/L	J	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.421	—	—	0.074	mg/L	—	J-	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	—	0.463	—	—	0.074	mg/L	—	J-	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Inorg	9060	Total Organic Carbon	—	0.385	—	—	0.025	mg/L	—	J-	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon	<	1	—	—	—	mg/L	U	U	PARA
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Barium	—	185	—	—	1	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Barium	—	194	—	—	1	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Barium	—	140	—	—	—	µg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Barium	—	140	—	—	—	µg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Barium	—	130	—	—	—	µg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Barium	—	183	—	—	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-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Barium	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Barium	—	181	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Barium	—	170	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Barium	—	166	—	—	1	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Barium	—	179	—	—	0.222	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Barium	—	172	—	—	0.222	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Boron	—	47.5	—	—	10	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Boron	—	47	—	—	10	µg/L	J	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Boron	—	55	—	—	—	µg/L	B	J	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Boron	—	39	—	—	—	µg/L	B	J	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Boron	—	43	—	—	—	µg/L	B	J	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Boron	—	45	—	—	10	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Boron	<	10	—	—	10	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Boron	—	45.5	—	—	10	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Boron	—	47.6	—	—	10	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Boron	—	46.7	—	—	10	µg/L	J	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Boron	—	48.2	—	—	4.88	µg/L	B	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Boron	—	42.2	—	—	4.88	µg/L	B	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6020	Chromium	—	2.3	—	—	1	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6020	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Chromium	—	2	—	—	—	µg/L	B	J	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Chromium	—	1.70000005	—	—	—	µg/L	B	J	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Chromium	—	2.0999999	—	—	—	µg/L	B	J	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-9	684	7/31/2006	WG	UF	CS	—	Met	6020	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6020	Chromium	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6020	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Chromium	—	2.4	—	—	1	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Chromium	—	2.9	—	—	1	µg/L	J	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Chromium	—	2.63	—	—	0.503	µg/L	B	J	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Chromium	<	2.95	—	—	0.503	µg/L	B	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Iron	<	53	—	—	—	µg/L	B	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Iron	<	56	—	—	—	µg/L	B	U	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Iron	<	27	—	—	—	µg/L	BN	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Iron	—	35	—	—	18	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Iron	—	20.5	—	—	18	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Iron	<	18	—	—	18	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Iron	—	255	—	—	12.6	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Iron	<	61.5	—	—	12.6	µg/L	B	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Manganese	—	30.6	—	—	2	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Manganese	—	32.5	—	—	2	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Manganese	—	84	—	—	—	µg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Manganese	—	80	—	—	—	µg/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Manganese	—	71	—	—	—	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-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Manganese	—	31.2	—	—	2	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Manganese	<	2	—	—	2	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Manganese	—	31.2	—	—	2	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6020	Manganese	—	54.4	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6020	Manganese	—	52.3	—	—	1	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Manganese	—	113	—	—	0.296	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Manganese	—	83.6	—	—	0.296	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6020	Nickel	—	0.86	—	—	0.5	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6020	Nickel	—	0.89	—	—	0.5	µg/L	J	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Nickel	—	1.5	—	—	—	µg/L	B	J	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Nickel	—	2.70000005	—	—	—	µg/L	B	J	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Nickel	—	0.94999999	—	—	—	µg/L	B	J	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6020	Nickel	—	0.92	—	—	0.5	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6020	Nickel	<	0.5	—	—	0.5	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6020	Nickel	—	0.88	—	—	0.5	µg/L	J	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Nickel	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Nickel	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Nickel	—	1.16	—	—	0.69	µg/L	B	JN-	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Nickel	<	0.8	—	—	0.69	µg/L	B	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Strontium	—	167	—	—	1	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Strontium	—	175	—	—	1	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Strontium	—	160	—	—	—	µg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Strontium	—	150	—	—	—	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-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Strontium	—	160	—	—	—	µg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Strontium	—	164	—	—	1	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Strontium	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Strontium	—	164	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Strontium	—	165	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Strontium	—	161	—	—	1	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Strontium	—	157	—	—	0.178	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Strontium	—	165	—	—	0.178	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6020	Uranium	—	1.7	—	—	0.05	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6020	Uranium	—	1.6	—	—	0.05	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6020	Uranium	—	1.94	—	—	—	µg/L	N	NQ	GELC
R-9	684	2/13/2001	WG	F	CS	NA	Met	6020	Uranium	—	1.85	—	—	—	µg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Met	6020	Uranium	—	1.75	—	—	—	µg/L	—	NQ	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Met	KPA	Uranium	—	1.85	0.125	—	—	µg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6020	Uranium	—	1.6	—	—	0.05	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6020	Uranium	<	0.05	—	—	0.05	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6020	Uranium	—	1.5	—	—	0.05	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6020	Uranium	—	1.75	—	—	0.02	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6020	Uranium	—	1.8	—	—	0.02	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Met	6020	Uranium	—	1.94	—	—	—	µg/L	N	NQ	GELC
R-9	684	7/31/2006	WG	F	CS	—	Met	6010	Vanadium	—	10.8	—	—	1	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Met	6010	Vanadium	—	11.1	—	—	1	µg/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Met	6010	Vanadium	—	10	—	—	—	µg/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Met	6010	Vanadium	—	11	—	—	—	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-9	684	9/29/2000	WG	F	CS	NA	Met	6010	Vanadium	—	11	—	—	—	µg/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Met	6010	Vanadium	—	11.2	—	—	1	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Met	6010	Vanadium	<	1	—	—	1	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Met	6010	Vanadium	—	11.4	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Met	6010	Vanadium	—	10.3	—	—	1	µg/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Met	6010	Vanadium	—	11.4	—	—	1	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Met	6010	Vanadium	—	9.78	—	—	0.606	µg/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Met	6010	Vanadium	—	11.3	—	—	0.606	µg/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Americium-241	—	-0.00554	0.00267	0.0213	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Americium-241	—	0.0118	0.00614	0.0217	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.036	0.0175	0.046	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	H300	Americium-241	—	0.009	0.0145	0.072	—	pCi/L	U	U	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	H300	Americium-241	—	0.009	0.0085	0.032	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Americium-241	—	-0.00359	0.00475	0.0216	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Americium-241	—	-0.00743	0.00348	0.0226	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Americium-241	—	-0.00059	0.00228	0.0257	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Americium-241	—	0.0148	0.013	0.047	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Americium-241	—	-0.00432	0.00748	0.034	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00569	0.00685	0.034	—	pCi/L	U	U	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Americium-241	—	0.00164	0.0108	0.032	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Cesium-137	—	0.448	1.19	4.43	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Cesium-137	—	0.025	1.15	4.2	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	0.6	1.3	2.1	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	GS	Cesium-137	—	0.5	0.75	1.3	—	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-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Cesium-137	—	-0.5	0.8	1.3	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.122	1.07	3.79	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Cesium-137	—	-0.243	1.21	3.88	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	-0.47	1.05	3.78	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.15	0.948	3.31	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Cesium-137	—	3.51	1.02	1.76	—	pCi/L	UI	R	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Cesium-137	—	0.869	0.895	3.41	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Cesium-137	—	5.51	2.22	3.49	—	pCi/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Cesium-137	—	-0.693	2.18	7.53	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Cobalt-60	—	-0.237	1.28	4.85	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Cobalt-60	—	8.35	4.46	3.73	—	pCi/L	UI	R	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	1.7	1.4	2.2	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	GS	Cobalt-60	—	-0.2	0.75	1.2	—	pCi/L	U	U	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Cobalt-60	—	0.4	0.8	1.3	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.583	1.29	4.23	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Cobalt-60	—	0.631	1.3	3.87	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	-0.128	0.886	3.26	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.601	0.924	3.59	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Cobalt-60	—	-1.33	0.664	2.1	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	-0.499	1	3.61	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Cobalt-60	—	-0.434	1.13	4.01	—	pCi/L	U	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Cobalt-60	—	0.262	1.97	7.43	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	900	Gross alpha	—	1.81	0.468	1.16	—	pCi/L	—	J	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	900	Gross alpha	—	1.4	0.396	1.04	—	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-9	684	9/29/2000	WG	F	CS	NA	Rad	Generic	Gross alpha	—	1.2	0.6	1.8	—	pCi/L	U	U	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	Generic	Gross alpha	—	1.8	0.375	1.1	—	pCi/L	—	NQ	PARA
R-9	684	1/27/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	1.2	0.465	1.45	—	pCi/L	—	U	ATICO
R-9	684	1/27/1998	WG	F	CS	NA	Rad	900	Gross alpha	—	0.7	0.5	1.76	—	pCi/L	—	U	ATICO
R-9	684	7/31/2006	WG	UF	CS	—	Rad	900	Gross alpha	—	0.631	0.466	1.83	—	pCi/L	U	J-, U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	900	Gross alpha	—	0.586	0.407	1.36	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	900	Gross alpha	—	1.57	0.631	2.07	—	pCi/L	U	J-, U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	900	Gross alpha	—	1.41	0.471	1.5	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	900	Gross alpha	—	2.32	0.487	1.1	—	pCi/L	—	J	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	900	Gross alpha	—	1.8	0.425	1.07	—	pCi/L	—	J	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	900	Gross alpha	—	1.17	0.323	1.02	—	pCi/L	—	J	GELC
R-9	684	12/12/2003	WG	UF	DUP	—	Rad	900	Gross alpha	—	1.16	0.3	0.929	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	900	Gross beta	—	3.95	0.955	2.76	—	pCi/L	—	J	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	900	Gross beta	—	4.45	1.09	3.36	—	pCi/L	—	J	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Rad	Generic	Gross beta	—	2.9	0.75	2.3	—	pCi/L	LT	NQ	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	Generic	Gross beta	—	4.5	0.55	1.4	—	pCi/L	—	NQ	PARA
R-9	684	1/27/1998	WG	F	CS	NA	Rad	900	Gross beta	—	3.3	0.75	2.26	—	pCi/L	—	NQ	ATICO
R-9	684	1/27/1998	WG	F	CS	NA	Rad	900	Gross beta	—	4.2	0.85	2.64	—	pCi/L	—	NQ	ATICO
R-9	684	7/31/2006	WG	UF	CS	—	Rad	900	Gross beta	—	3.1	0.735	2.53	—	pCi/L	—	J	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	900	Gross beta	—	-0.556	0.47	1.7	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	900	Gross beta	—	2.82	0.712	2.49	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	900	Gross beta	—	3.71	0.743	2.48	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	900	Gross beta	—	5.3	0.74	2.37	—	pCi/L	—	J	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	900	Gross beta	—	1.19	0.515	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
R-9	684	12/12/2003	WG	UF	CS	—	Rad	900	Gross beta	—	2.53	0.438	1.45	—	pCi/L	—	J	GELC
R-9	684	12/12/2003	WG	UF	DUP	—	Rad	900	Gross beta	—	2.08	0.505	1.89	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Gross gamma	—	61.2	52.7	197	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Gross gamma	—	116	97.6	317	—	pCi/L	U	U	GELC
R-9	684	9/29/2000	WG	F	CS	NA	Rad	GS	Gross gamma	—	132	17.5	56	—	pCi/L	—	NQ	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Gross gamma	—	149	6	11	—	pCi/L	—	NQ	PARA
R-9	684	1/27/1998	WG	F	CS	NA	Rad	901.1	Gross gamma	—	178	13	12	—	pCi/L	—	NQ	ATICO
R-9	684	1/27/1998	WG	F	CS	NA	Rad	901.1	Gross gamma	—	274	21	18	—	pCi/L	—	NQ	ATICO
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Gross gamma	—	51.4	38.9	179	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Gross gamma	—	59.3	54.3	229	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	55.8	72.4	230	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Gross gamma	—	115	101	520	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Gross gamma	—	87.4	101	249	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Gross gamma	—	66.6	58.5	164	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Gross gamma	—	103	88.1	331	—	pCi/L	U	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Gross gamma	—	243	152	495	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Neptunium-237	—	-3.13	7.96	27.9	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Neptunium-237	—	11.7	11	31.3	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-4	9.5	15	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	GS	Neptunium-237	—	-1	5.5	9.7	—	pCi/L	U	U	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Neptunium-237	—	21	5	7.7	—	pCi/L	SI	R	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-6.64	8.84	26.9	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Neptunium-237	—	-17.2	8.63	22.7	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-1.64	6.6	21.8	—	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
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-7.83	8.25	24.3	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Neptunium-237	—	-3.52	6.06	19.1	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	-6.75	6.43	22.2	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Neptunium-237	—	1.26	8.83	31.1	—	pCi/L	U	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Neptunium-237	—	18.9	11.9	43.4	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-238	—	-0.00711	0.00412	0.0228	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Plutonium-238	—	0	0.00269	0.0259	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.001	0.0095	0.055	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	H300	Plutonium-238	—	-0.007	0.016	0.072	—	pCi/L	U	U	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	H300	Plutonium-238	—	0.019	0.0125	0.038	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-238	—	-0.00361	0.00808	0.0347	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Plutonium-238	—	0.0243	0.00733	0.018	—	pCi/L	—	J	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	0.00216	0.00374	0.0207	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Plutonium-238	—	0.0194	0.0157	0.045	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Plutonium-238	—	0	0.0027	0.04	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Plutonium-238	—	-0.000000000176	0.00638	0.029	—	pCi/L	U	U	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Plutonium-238	—	0.00561	0.0111	0.026	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Plutonium-239/240	—	0.00474	0.00474	0.0265	—	pCi/L	U	JN-, U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Plutonium-239/240	—	0.00807	0.00468	0.0301	—	pCi/L	U	JN-, U	GELC
R-9	684	1/27/1998	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.008	0.0081	0.03	—	pCi/L	U	U	ATICO
R-9	684	1/27/1998	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.0015	0.0067	0.03	—	pCi/L	U	U	ATICO
R-9	684	1/26/1998	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.01	0.009	0.01	—	pCi/L	LT	U	ATICO

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-9	684	1/26/1998	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	0.02	0.01	0.01	—	pCi/L	LT	U	ATICO
R-9	684	12/20/1997	WG	F	CS	NA	Rad	H300	Plutonium-239/240	—	-0.0032	0.0085	0.04	—	pCi/L	U	U	ATICO
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.00361	0.00625	0.0404	—	pCi/L	U	JN-, U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Plutonium-239/240	—	0.00561	0.00419	0.0209	—	pCi/L	U	JN-, U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	0	0.00529	0.0242	—	pCi/L	U	JN-, U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Plutonium-239/240	—	0.0151	0.0078	0.038	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Plutonium-239/240	—	0.00764	0.00469	0.033	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	-0.000000000439	0.00368	0.029	—	pCi/L	U	U	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Plutonium-239/240	—	0.0112	0.0106	0.023	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Potassium-40	—	34	12.2	54.2	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Potassium-40	—	29.4	13.1	55.8	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	-2	33.5	56	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	GS	Potassium-40	—	59	21.5	26	—	pCi/L	—	U	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Potassium-40	—	3	32	25	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Potassium-40	—	27.8	13.6	55.7	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Potassium-40	—	4.77	18.8	40.9	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	40.8	35.8	31.8	—	pCi/L	UI	R	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Potassium-40	—	25.1	19.5	28.2	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Potassium-40	—	25	8.71	34.5	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Potassium-40	—	20	10.9	44.7	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Potassium-40	—	42.9	20.1	30.6	—	pCi/L	UI	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Potassium-40	—	24	25.4	74.5	—	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-9	684	7/31/2006	WG	F	CS	—	Rad	901.1	Sodium-22	—	-0.672	1.03	3.82	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	901.1	Sodium-22	—	-0.552	1.48	4.58	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	-1.5	1.4	2.4	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	GS	Sodium-22	—	0.7	0.75	1.2	—	pCi/L	U	U	PARA
R-9	684	2/28/2000	WG	F	CS	NA	Rad	GS	Sodium-22	—	0.4	0.85	1.4	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	901.1	Sodium-22	—	7.19	2.21	3.48	—	pCi/L	UI	R	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	901.1	Sodium-22	—	1.8	1.21	4.39	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	-0.483	0.859	3.04	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	901.1	Sodium-22	—	1.5	0.875	3.65	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	901.1	Sodium-22	—	0.0144	0.715	2.58	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	901.1	Sodium-22	—	0.722	0.878	3.55	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	DUP	—	Rad	901.1	Sodium-22	—	0.653	0.922	3.26	—	pCi/L	U	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	901.1	Sodium-22	—	-2.51	2.22	7.49	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	905.0	Strontium-90	—	-0.215	0.104	0.407	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	905.0	Strontium-90	—	0.000359	0.118	0.418	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	Beta	Strontium-90	—	-0.4	0.6	2.2	—	pCi/L	—	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	Beta	Strontium-90	—	0.01	0.085	0.29	—	pCi/L	—	U	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	Beta	Strontium-90	—	0.19	0.185	0.62	—	pCi/L	—	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	905.0	Strontium-90	—	-0.35	0.149	0.539	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	905.0	Strontium-90	—	0.165	0.0695	0.225	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	-0.0234	0.0717	0.249	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	905.0	Strontium-90	—	0.198	0.0715	0.27	—	pCi/L	U	U	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	905.0	Strontium-90	—	0.247	0.0746	0.276	—	pCi/L	U	U	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.026	0.0572	0.258	—	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-9	684	12/12/2003	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	0.0707	0.068	0.224	—	pCi/L	U	U	GELC
R-9	684	12/12/2003	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	0.195	0.11	0.445	—	pCi/L	U	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-234	—	1.1	0.0775	0.0395	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Uranium-234	—	1.11	0.0787	0.0407	—	pCi/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	1.04	0.105	0.068	—	pCi/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	H300	Uranium-234	—	1.31	0.14	0.07	—	pCi/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	H300	Uranium-234	—	1.26	0.115	0.046	—	pCi/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.11	0.0837	0.0526	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Uranium-234	—	-0.0161	0.0137	0.0481	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Uranium-234	—	1.06	0.0745	0.0378	—	pCi/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Uranium-234	—	1.18	0.0781	0.073	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Uranium-234	—	1.11	0.0699	0.061	—	pCi/L	—	J	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.13	0.0894	0.075	—	pCi/L	—	J	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Uranium-234	—	1.02	0.0852	0.047	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-235/236	—	0.0375	0.00961	0.0333	—	pCi/L	—	J	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Uranium-235/236	—	0.0314	0.0112	0.0344	—	pCi/L	U	U	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.013	0.013	0.057	—	pCi/L	U	U	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.053	0.025	0.08	—	pCi/L	U	U	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	H300	Uranium-235/236	—	0.021	0.0155	0.058	—	pCi/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.0343	0.0105	0.0444	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Uranium-235/236	—	-0.0285	0.0108	0.0405	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.0449	0.0113	0.0319	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Uranium-235/236	—	0.137	0.0199	0.045	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Uranium-235/236	—	0.0976	0.0157	0.037	—	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-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.0691	0.0145	0.046	—	pCi/L	—	J	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Uranium-235/236	—	0.124	0.0186	0.027	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	—	Rad	H300	Uranium-238	—	0.538	0.0442	0.042	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	F	CS	FD	Rad	H300	Uranium-238	—	0.584	0.0474	0.0433	—	pCi/L	—	—	GELC
R-9	684	5/15/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.54	0.065	0.039	—	pCi/L	—	NQ	PARA
R-9	684	2/13/2001	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.68	0.09	0.076	—	pCi/L	—	NQ	PARA
R-9	684	9/29/2000	WG	F	CS	NA	Rad	H300	Uranium-238	—	0.56	0.065	0.051	—	pCi/L	—	NQ	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.497	0.0458	0.0559	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Rad	H300	Uranium-238	—	-0.0115	0.0101	0.0511	—	pCi/L	U	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.535	0.0434	0.0403	—	pCi/L	—	—	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Rad	H300	Uranium-238	—	0.524	0.0439	0.052	—	pCi/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Rad	H300	Uranium-238	—	0.566	0.0428	0.043	—	pCi/L	—	J	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.52	0.0487	0.053	—	pCi/L	—	—	GELC
R-9	684	12/12/2003	WG	UF	CS	—	Rad	AS	Uranium-238	—	0.487	0.0469	0.03	—	pCi/L	—	—	GELC
R-9	684	7/31/2006	WG	UF	CS	—	Voa	8260	Acetone	<	2.36	—	—	1.25	µg/L	J	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Voa	8260	Acetone	<	6.27	—	—	1.25	µg/L	—	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Voa	8260	Acetone	<	1.92	—	—	1.25	µg/L	J	U	GELC
R-9	684	7/31/2006	WG	UF	CS	FTB	Voa	8260	Acetone	—	6.79	—	—	1.25	µg/L	—	J	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	FTB	Voa	8260	Acetone	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Voa	8260	Acetone	<	30	—	—	—	µg/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-9	684	7/31/2006	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Voa	8260	Butanone[2-]	—	2.63	—	—	1.25	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	1.25	µg/L	U	UJ	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5	—	—	—	µg/L	U	—	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	20	—	—	—	µg/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Voa	8260	Isopropylbenzene	—	0.299	—	—	0.25	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Voa	8260	Isopropylbenzene	<	1	—	—	0.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Voa	8260	Isopropylbenzene	<	1	—	—	0.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FTB	Voa	8260	Isopropylbenzene	<	1	—	—	0.25	µg/L	U	UJ	GELC
R-9	684	4/28/2005	WG	UF	CS	—	Voa	8260	Isopropylbenzene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Voa	8260	Isopropylbenzene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FTB	Voa	8260	Isopropylbenzene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Voa	8260	Isopropylbenzene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	FTB	Voa	8260	Isopropylbenzene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Voa	8260	Isopropylbenzene	<	5	—	—	—	µg/L	U	U	PARA
R-9	684	7/31/2006	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FB	Voa	8260	Toluene	—	0.27	—	—	0.25	µg/L	J	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FD	Voa	8260	Toluene	<	1	—	—	0.25	µg/L	U	—	GELC
R-9	684	7/31/2006	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	0.25	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-9	684	4/28/2005	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FD	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	4/28/2005	WG	UF	CS	FTB	Voa	8260	Toluene	—	1.3	—	—	—	µg/L	—	—	GELC
R-9	684	5/27/2004	WG	UF	CS	—	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	5/27/2004	WG	UF	CS	FTB	Voa	8260	Toluene	<	1	—	—	—	µg/L	U	—	GELC
R-9	684	5/15/2001	WG	UF	CS	NA	Voa	8260	Toluene	<	5	—	—	—	µg/L	U	U	PARA

[a] — = No data.

[b] WS = Base Flow.

[c] F = Filtered.

[d] CS =Client sample.

[e] Iorg = Inorganics.

[f] UF = Unfiltered.

[g] < = The analyte was not detected based on both the analytical laboratory qualifier and the independent validation qualifier.

[h] U = (organic/inorganic). The result for this analyte was not detected at the specified reporting limit.

[i] SU = Standard unit.

[j] H = (organic/Inorganic) - The required extraction or analysis holding time for this result was exceeded. * (Organic) and (Inorganic) - The result for this analyte in the Laboratory Control Sample analysis was outside acceptance criteria.

[k] J = Organic/Inorganic/General Inorganics. The result for this analyte was greater than the method detection limit but less than the practical Quantitation limit.

[l] J- = The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[m] UJ = (Organic) Legacy CST lab code should not be used.

[n] NA = Not Applicable.

[o] NQ = No validation qualifier flag is associated with this result, and the analyte is classified as detected.

[p] B = (B) (Organic) - This analyte was detected in the associated Laboratory Method Blank and the sample. (B) (Inorganic) - The result for this analyte was greater than the Instrument Detection Limit but less than the Contract Required Detection Limit.

[q] J+ = The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[r] JN = The result for this analyte in the matrix spike sample was outside acceptance criteria.

[s] R = The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone

[t] UI = Gamma spectroscopy result should be regarded as an uncertain identification.

[u] FB = Field blank.

[v] * = (Inorganic) - The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.

Table D-2
Applicable Groundwater Regulatory Standards

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
DIOX/FUR	Hexachlorodibenzodioxin [1,2,3,7,8,9-]	19408-74-3		—[c]	—	—	—	—	—	—	—	—	—	—	—	—	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	pH	pH		—	—	—	—	—	—	—	—	—	—	8	—	—	—	—	—	—	—	—	—	9	—	—
GENINORG	Sodium	Na		—	—	—	—	—	—	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
GENINORG	Sulfate	SO4(-2)		—	—	—	—	—	—	—	250	—	—	—	—	—	—	—	—	600	—	—	—	—	—	—
GENINORG	Total Dissolved Solids	TDS		—	—	—	—	—	—	—	500	—	—	—	—	—	—	—	—	1000	—	—	—	—	—	—
GENINORG	Total Phosphorus	P		—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.73	—	—	—	—	—	—	—	—
HERB	D[2,4-]	94-75-7		—	—	—	—	—	—	70	—	—	—	—	—	—	—	365	—	—	—	—	—	—	—	—
HERB	Dalapon	75-99-0		—	—	—	—	—	—	200	—	—	—	—	—	—	—	1100	—	—	—	—	—	—	—	—
HERB	DB[2,4-]	94-82-6		—	—	—	—	—	—	—	—	—	—	—	—	—	—	292	—	—	—	—	—	—	—	—
HERB	Dicamba	1918-00-9		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1100	—	—	—	—	—	—	—	—
HERB	Dinoseb	88-85-7		—	—	—	—	—	—	7	—	—	—	—	—	—	—	36.5	—	—	—	—	—	—	—	—
HERB	MCPA	2436-73-9		—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3	—	—	—	—	—	—	—	—
HERB	MCPP	93-65-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	36.5	—	—	—	—	—	—	—	—
HERB	T[2,4,5-]	93-76-5		—	—	—	—	—	—	—	—	—	—	—	—	—	—	365	—	—	—	—	—	—	—	—
HERB	TP[2,4,5-]	93-72-1		—	—	—	—	—	—	50	—	—	—	—	—	—	—	292	—	—	—	—	—	—	—	—
HEXP	Dinitrobenzene[1,3-]	99-65-0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.65	—	—	—	—	—	—	—	—
HEXP	Dinitrotoluene[2,4-]	121-14-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	73	—	—	—	—	—	—	—	—
HEXP	Dinitrotoluene[2,6-]	606-20-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	36.5	—	—	—	—	—	—	—	—
HEXP	HMX	2691-41-0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—	—
HEXP	Nitrobenzene	98-95-3		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	—	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1100	—	—	—	—	—	—	—
HEXP	Trinitrotoluene[2,4,6-]	118-96-7		—	—	—	—	—	—	—	—	—	—	—	—	—	2.24	—	—	—	—	—	—	—	—
METALS	Aluminum	Al		—	—	—	—	—	—	—	—	—	50	—	—	—	—	36500	—	—	—	5000	—	—	—
METALS	Antimony	Sb		—	—	—	—	—	—	6	—	—	—	—	—	—	—	14.6	—	—	—	—	—	—	—
METALS	Arsenic	As		—	—	—	—	—	—	10	—	—	—	—	—	—	0.0448	—	—	—	—	100	—	—	—
METALS	Barium	Ba		—	—	—	—	—	—	2000	—	—	—	—	—	—	—	2560	—	—	—	1000	—	—	—
METALS	Beryllium	Be		—	—	—	—	—	—	4	—	—	—	—	—	—	—	73	—	—	—	—	—	—	—
METALS	Boron	B		—	—	—	—	—	—	—	—	—	—	—	—	—	—	7300	—	—	—	750	—	—	—
METALS	Cadmium	Cd		—	—	—	—	—	—	5	—	—	—	—	—	—	—	18.3	—	—	—	10	—	—	—
METALS	Chromium	Cr		—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	50	—	—	—
METALS	Chromium hexavalent ion	Cr(VI)		—	—	—	—	—	—	100	—	—	—	—	0.11	—	—	—	—	—	—	50	—	—	—
METALS	Cobalt	Co		—	—	—	—	—	—	—	—	—	—	—	—	—	—	730	—	—	—	50	—	—	—
METALS	Copper	Cu		—	—	—	—	—	—	1300	—	—	1000	—	—	—	—	1360	—	—	—	1000	—	—	—
METALS	Iron	Fe		—	—	—	—	—	—	—	—	—	300	—	—	—	—	11000	—	—	—	1000	—	—	—
METALS	Lead	Pb		—	—	—	—	—	—	15	—	—	15	—	—	—	—	—	15	—	—	50	—	—	—
METALS	Lithium	Li		—	—	—	—	—	—	—	—	—	—	—	—	—	—	730	—	—	—	—	—	—	—
METALS	Manganese	Mn		—	—	—	—	—	—	—	—	—	50	—	—	—	—	1700	—	—	—	200	—	—	—
METALS	Mercury	Hg		—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—
METALS	Molybdenum	Mo		—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	—	—	—	1000	—	—	—
METALS	Nickel	Ni		—	—	—	—	—	—	100	—	—	—	—	—	—	—	730	—	—	—	200	—	—	—
METALS	Selenium	Se		—	—	—	—	—	—	50	—	—	—	—	—	—	—	183	—	—	—	50	—	—	—
METALS	Silver	Ag		—	—	—	—	—	—	—	—	—	100	—	—	—	—	183	—	—	—	50	—	—	—
METALS	Strontium	Sr		—	—	—	—	—	—	—	—	—	25000	—	—	—	—	21900	—	—	—	—	—	—	—
METALS	Thallium	Tl		—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
METALS	Tin	Sn		—	—	—	—	—	—	—	—	—	—	—	—	—	—	21900	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—
METALS	Zinc	Zn		—	—	—	—	—	—	—	—	—	5000	—	—	—	—	11000	—	—	—	10000	—	—	—
PEST/PCB	Aldrin	309-00-2		—	—	—	—	—	—	—	—	—	—	—	—	—	0.00395	—	—	—	—	—	—	—	—
PEST/PCB	Aroclor-1016	12674-11-2		—	—	—	—	—	—	0.5	—	—	—	—	—	—	0.96	—	—	—	—	—	—	1	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
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	D[2,4-]	94-75-7		—	—	—	—	—	—	70	—	—	—	—	—	—	—	365	—	—	—	—	—	—	—
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	Dieldrin	60-57-1		—	—	—	—	—	—	—	—	—	—	—	—	—	0.0042	—	—	—	—	—	—	—	—
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	Toxaphene (Technical Grade)	8001-35-2		—	—	—	—	—	—	3	—	—	—	—	—	—	0.0611	—	—	—	—	—	—	—	—
PEST/PCB	TP[2,4,5-]	93-72-1		—	—	—	—	—	—	50	—	—	—	—	—	—	—	292	—	—	—	—	—	—	—
RAD	Americium-241	Am-241		30	—	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20
RAD	Cesium-137	Cs-137		3000	—	120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1000
RAD	Cobalt-60	Co-60		5000	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3000
RAD	Gross alpha	GROSSA		30	—	—	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Gross beta	GROSSB		1000	—	—	—	—	—	—	—	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		7000	—	280	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4000
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		10000	—	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6000
RAD	Strontium-90	Sr-90		1000	—	40	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	500
RAD	Technetium-99	Tc-99		100000	—	4000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
RAD	Tritium	H-3		2000000	—	80000	—	—	20000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1000000
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	—	—	—	—	—	—	—	—
SVOA	Acetophenone	98-86-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3650	—	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—	—
SVOA	Atrazine	1912-24-9		—	—	—	—	—	—	3	—	—	—	—	—	—	0.303	—	—	—	—	—	—	—	—	—
SVOA	Azobenzene	103-33-3		—	—	—	—	—	—	—	—	—	—	—	—	—	0.611	—	—	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	146000	—	—	—	—	—	—	—	—
SVOA	Benzyl Alcohol	100-51-6		—	—	—	—	—	—	—	—	—	—	—	—	—	—	11000	—	—	—	—	—	—	—	—
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	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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3650	—	—	—	—	—	—	—	—
SVOA	Butylbenzylphthalate	85-68-7		—	—	—	—	—	—	—	—	—	—	—	—	—	—	7300	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—
SVOA	Chrysene	218-01-9		—	—	—	—	—	—	0.2	—	—	—	—	—	—	9.21	—	—	—	—	—	—	—	—	—
SVOA	DDD[4,4'-]	72-54-8		—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	—	—	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
SVOA	DDE[4,4'-]	72-55-9		—	—	—	—	—	—	—	—	—	—	—	—	—	0.198	—	—	—	—	—	—	—	—
SVOA	DDT[4,4'-]	50-29-3		—	—	—	—	—	—	—	—	—	—	—	—	—	0.198	—	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1220	—	—	—	—	—	—	—
SVOA	Diethylphthalate	84-66-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	29200	—	—	—	—	—	—	—
SVOA	Dimethyl Phthalate	131-11-3		—	—	—	—	—	—	—	—	—	—	—	—	—	—	365000	—	—	—	—	—	—	—
SVOA	Dimethylphenol[2,4-]	105-67-9		—	—	—	—	—	—	—	—	—	—	—	—	—	—	730	—	—	—	—	—	—	—
SVOA	Di-n-butylphthalate	84-74-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3650	—	—	—	—	—	—	—
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	Di-n-octylphthalate	117-84-0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1460	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—
SVOA	Methylphenol[3-]	108-39-4		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
SVOA	Methylphenol[4-]	106-44-5		—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	—	—	—	—	—	—	—
SVOA	Metolaclor	51218-45-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	5480	—	—	—	—	—	—	—
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	Nitrosodiethylamine[N-]	55-18-5		—	—	—	—	—	—	—	—	—	—	—	—	—	0.000448	—	—	—	—	—	—	—	—
SVOA	Nitrosodimethylamine[N-]	62-75-9		—	—	—	—	—	—	—	—	—	—	—	—	—	0.00132	—	—	—	—	—	—	—	—
SVOA	Nitroso-di-n-butylamine[N-]	924-16-3		—	—	—	—	—	—	—	—	—	—	—	—	—	0.00201	—	—	—	—	—	—	—	—
SVOA	Nitroso-di-n-propylamine[N-]	621-64-7		—	—	—	—	—	—	—	—	—	—	—	—	—	0.0096	—	—	—	—	—	—	—	—
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	Phenol	108-95-2		—	—	—	—	—	—	—	—	—	—	—	—	—	—	11000	—	—	—	—	—	5	—
SVOA	Propachlor	1918-16-7		—	—	—	—	—	—	—	—	—	—	—	—	—	—	475	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	1100	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3650	—	—	—	—	—	—	—
SVOA	Trichlorophenol[2,4,6-]	88-06-2		—	—	—	—	—	—	—	—	—	—	—	—	—	6.11	—	—	—	—	—	—	—	—
VOA	Acetone	67-64-1		—	—	—	—	—	—	—	—	—	—	—	—	—	—	32900	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	7060	—	—	—	—	—	—	—
VOA	Butylbenzene[n-]	104-51-8		—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.8	—	—	—	—	—	—	—
VOA	Butylbenzene[sec-]	135-98-8		—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.8	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
VOA	Butylbenzene[tert-]	98-06-6		—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.8	—	—	—	—	—	—	—
VOA	Carbon Disulfide	75-15-0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1040	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—
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		—	—	—	—	—	—	60	—	—	—	—	—	—	—	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	—	—	—	—	—	—	—	1340	—	—	—	—	—	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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1420	—	—	—	—	—	—	—
VOA	Methyl tert-Butyl Ether	1634-04-4		—	—	—	—	—	—	—	—	—	—	—	—	—	6.23	—	—	—	—	—	—	—	—
VOA	Methyl-1-propanol[2-]	78-83-1		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1830	—	—	—	—	—	—	—
VOA	Methyl-2-pentanone[4-]	108-10-1		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1990	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE DCG		DOE DW DCG		EPA MCL			EPA SMCL				EPA TAP WTR STD					NMGS					NMED Rad Prot
			Fld Prep Code																	F	F	F	F	UF	
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	mg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	mg/L		mg/L	pCi/L
			Risk Code												N[a]		C[b]	N							
VOA	Styrene	100-42-5		—	—	—	—	—	—	100	—	—	—	—	—	—	—	1640	—	—	—	—	—	—	—
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	59200	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	1290	—	—	—	—	—	—	—
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 acetate	108-05-4		—	—	—	—	—	—	—	—	—	—	—	—	—	—	412	—	—	—	—	—	—	—
VOA	Vinyl Chloride	75-01-4		—	—	—	—	—	—	2	—	—	—	—	—	—	0.0433	—	—	—	—	—	—	1	—
VOA	Xylene (Total)	1330-20-7		—	—	—	—	10	—	—	—	—	—	—	—	—	—	203	—	—	—	—	—	620	—
VOA	Xylene[1,2-]	95-47-6		—	—	—	—	—	—	—	—	—	—	—	—	—	—	1430	—	—	—	—	—	—	—
VOA	Xylene[1,3-]	108-38-3		—	—	—	—	—	—	—	—	—	—	—	—	—	—	208	—	—	—	—	—	—	—

[a] N = Non cancer.
[b] C = Cancer.
[c] — = No applicable guideline, screening level or regulatory standard.

Table D-3
Applicable Surface Water Regulatory Standards

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE BCG WATER	NM Aqu Acute 100 mg			NM Aqu Chronic 100 mg			NM HH 05			NM Irrigation Std	NM LVSTK WTR STD			NMWQCC HUM HEALTH PEREN		NMED Rad Prot
			Fld Prep Code		F	UF	UF	F	UF	UF	F	UF	UF	F	F	UF		UF	UF	
			Scr Lvl Uom	pCi/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	mg/L	ug/L	pCi/L
DIOX/FUR	Tetrachlorodibenzodioxin [2,3,7,8-]	1746-01-6		—	—	—	—	—	—	—	—	—	0.000000051	—	—	—	—	—	—	—
GENINORG	Chlorine, Total Residual	Cl2TOTRES		—	—	—	19	—	—	11	—	—	—	—	—	—	—	—	11	—
GENINORG	Cyanide, Amenable	CN (amen)		—	—	0.022	—	—	0.0052	—	—	220	—	—	—	—	—	0.0052	—	—
GENINORG	Cyanide, Weak Acid Dissociable	CN		—	—	0.022	—	—	0.0052	—	—	—	—	—	—	—	—	0.0052	—	—
HEXP	Dinitrotoluene[2,4-]	121-14-2		—	—	—	—	—	—	—	—	—	34	—	—	—	—	—	—	—
HEXP	Nitrobenzene	98-95-3		—	—	—	—	—	—	—	—	—	690	—	—	—	—	—	—	—
METALS	Aluminum	Al		—	750	—	—	87	—	—	—	—	—	5000	—	—	—	—	—	—
METALS	Antimony	Sb		—	—	—	—	—	—	—	640	—	—	—	—	—	—	—	—	—
METALS	Arsenic	As		—	340	—	—	150	—	—	9	—	—	100	200	—	—	—	—	—
METALS	Boron	B		—	—	—	—	—	—	—	—	—	—	750	5000	—	—	—	—	—
METALS	Cadmium	Cd		—	2	—	—	0.2	—	—	—	—	—	10	50	—	—	—	—	—
METALS	Chromium	Cr		—	570	—	—	74.1	—	—	—	—	—	100	1000	—	—	—	—	—
METALS	Chromium hexavalent ion	Cr(VI)		—	—	—	—	—	—	—	—	—	—	100	1000	—	—	—	—	—
METALS	Cobalt	Co		—	—	—	—	—	—	—	—	—	—	50	1000	—	—	—	—	—
METALS	Copper	Cu		—	13.4	—	—	9	—	—	—	—	—	200	500	—	—	—	—	—
METALS	Lead	Pb		—	64.6	—	—	2.5	—	—	—	—	—	5000	100	—	—	—	—	—
METALS	Mercury	Hg		—	1.4	—	—	0.77	—	—	—	—	—	—	—	10	—	—	0.77	—
METALS	Molybdenum	Mo		—	—	—	—	—	—	—	—	—	—	1000	—	—	—	—	—	—
METALS	Nickel	Ni		—	467	—	—	52	—	—	4600	—	—	—	—	—	—	—	—	—
METALS	Selenium	Se		—	—	—	20	—	—	5	4200	—	—	130	50	—	—	—	5	—
METALS	Silver	Ag		—	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
METALS	Thallium	Tl		—	—	—	—	—	—	—	6.3	—	—	—	—	—	—	—	—	—
METALS	Uranium-235	U-235		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	300
METALS	Uranium-238	U-238		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	300
METALS	Vanadium	V		—	—	—	—	—	—	—	—	—	—	100	100	—	—	—	—	—
METALS	Zinc	Zn		—	117	—	—	118	—	—	26000	—	—	2000	25000	—	—	—	—	—

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE BCG WATER	NM Aqu Acute 100 mg			NM Aqu Chronic 100 mg			NM HH 05			NM Irrigation Std	NM LVSTK WTR STD			NMWQCC HUM HEALTH PEREN		NMED Rad Prot
			Fld Prep Code		F	UF	UF	F	UF	UF	F	UF	UF	F	F	UF		UF	UF	
			Scr Lvl Uom	pCi/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	mg/L	ug/L	pCi/L
PEST/PCB	Aldrin	309-00-2		—	—	—	3	—	—	—	—	—	0.0005	—	—	—	—	—	—	—
PEST/PCB	Aroclor-1016	12674-11-2		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1221	11104-28-2		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1232	11141-16-5		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1242	53469-21-9		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1248	12672-29-6		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1254	11097-69-1		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1260	11096-82-5		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	Aroclor-1262	37324-23-5		—	—	—	—	—	—	0.014	—	—	0.00064	—	—	—	—	—	0.014	—
PEST/PCB	BHC[alpha-]	319-84-6		—	—	—	—	—	—	—	—	—	0.049	—	—	—	—	—	—	—
PEST/PCB	BHC[beta-]	319-85-7		—	—	—	—	—	—	—	—	—	0.17	—	—	—	—	—	—	—
PEST/PCB	BHC[gamma-]	58-89-9		—	—	—	0.95	—	—	—	—	—	0.63	—	—	—	—	—	—	—
PEST/PCB	Chlordane(alpha/gamma)	57-74-9		—	—	—	2.4	—	—	0.0043	—	—	0.0081	—	—	—	—	—	—	—
PEST/PCB	DDD[4,4'-]	72-54-8		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—
PEST/PCB	DDE[4,4'-]	72-55-9		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—
PEST/PCB	DDT[4,4'-]	50-29-3		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—
PEST/PCB	Dieldrin	60-57-1		—	—	—	0.24	—	—	0.056	—	—	0.00054	—	—	—	—	—	—	—
PEST/PCB	Endosulfan I	959-98-8		—	—	—	0.22	—	—	0.056	—	—	89	—	—	—	—	—	—	—
PEST/PCB	Endosulfan II	33213-65-9		—	—	—	0.22	—	—	0.056	—	—	89	—	—	—	—	—	—	—
PEST/PCB	Endosulfan Sulfate	1031-07-8		—	—	—	—	—	—	—	—	—	89	—	—	—	—	—	—	—
PEST/PCB	Endrin	72-20-8		—	—	—	0.086	—	—	0.036	—	—	0.81	—	—	—	—	—	—	—
PEST/PCB	Endrin Aldehyde	7421-93-4		—	—	—	—	—	—	—	—	—	0.3	—	—	—	—	—	—	—
PEST/PCB	Heptachlor	76-44-8		—	—	—	0.52	—	—	0.0038	—	—	0.00079	—	—	—	—	—	—	—
PEST/PCB	Heptachlor Epoxide	1024-57-3		—	—	—	0.52	—	—	0.0038	—	—	0.00039	—	—	—	—	—	—	—
PEST/PCB	Toxaphene (Technical Grade)	8001-35-2		—	—	—	0.73	—	—	0.0002	—	—	0.0028	—	—	—	—	—	—	—
RAD	Americium-241	Am-241		400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20
RAD	Antimony-125	Sb-125		400000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Cerium-144	Ce-144		2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Cesium-137	Cs-137		40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1000
RAD	Cobalt-60	Co-60		4000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3000
RAD	Europium-154	Eu-154		20000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Europium-155	Eu-155		300000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Gross alpha	GROSSA		—	—	—	—	—	—	—	—	—	—	—	—	—	15	—	—	—
RAD	Iodide-131	I-131		10000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Iodine-129	I-129		40000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE BCG WATER	NM Aqu Acute 100 mg			NM Aqu Chronic 100 mg			NM HH 05			NM Irrigation Std	NM LVSTK WTR STD			NMWQCC HUM HEALTH PEREN		NMED Rad Prot
			Fld Prep Code		F	UF	UF	F	UF	UF	F	UF	UF	F	F	UF		UF	UF	
			Scr Lvl Uom	pCi/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	mg/L	ug/L	pCi/L
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4000
RAD	Radium-226	Ra-226		400	—	—	—	—	—	—	—	—	—	—	—	—	30	—	—	60
RAD	Radium-228	Ra-228		300	—	—	—	—	—	—	—	—	—	—	—	—	30	—	—	60
RAD	Sodium-22	Na-22		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6000
RAD	Strontium-90	Sr-90		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	500
RAD	Technetium-99	Tc-99		700000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Thorium-232	Th-232		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RAD	Tritium	H-3		300000000	—	—	—	—	—	—	—	—	—	—	—	—	20000	—	—	1000000
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		7000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SVOA	Acenaphthene	83-32-9		—	—	—	—	—	—	—	—	—	990	—	—	—	—	—	—	—
SVOA	Aldrin	309-00-2		—	—	—	3	—	—	—	—	—	0.0005	—	—	—	—	—	—	—
SVOA	Anthracene	120-12-7		—	—	—	—	—	—	—	—	—	40000	—	—	—	—	—	—	—
SVOA	BHC[alpha-]	319-84-6		—	—	—	—	—	—	—	—	—	0.049	—	—	—	—	—	—	—
SVOA	BHC[beta-]	319-85-7		—	—	—	—	—	—	—	—	—	0.17	—	—	—	—	—	—	—
SVOA	BHC[gamma-]	58-89-9		—	—	—	0.95	—	—	—	—	—	0.63	—	—	—	—	—	—	—
SVOA	Benzidine	92-87-5		—	—	—	—	—	—	—	—	—	0.002	—	—	—	—	—	—	—
SVOA	Benzo(a)anthracene	56-55-3		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Benzo(a)pyrene	50-32-8		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Benzo(b)fluoranthene	205-99-2		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Benzo(k)fluoranthene	207-08-9		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Bis(2-chloroethyl)ether	111-44-4		—	—	—	—	—	—	—	—	—	5.3	—	—	—	—	—	—	—
SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		—	—	—	—	—	—	—	—	—	22	—	—	—	—	—	—	—
SVOA	Butylbenzylphthalate	85-68-7		—	—	—	—	—	—	—	—	—	1900	—	—	—	—	—	—	—
SVOA	Chlorodibromomethane	124-48-1		—	—	—	—	—	—	—	—	—	130	—	—	—	—	—	—	—
SVOA	Chloronaphthalene[2-]	91-58-7		—	—	—	—	—	—	—	—	—	1600	—	—	—	—	—	—	—
SVOA	Chlorophenol[2-]	95-57-8		—	—	—	—	—	—	—	—	—	150	—	—	—	—	—	—	—
SVOA	Chrysene	218-01-9		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	DDD[4,4'-]	72-54-8		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—
SVOA	DDE[4,4'-]	72-55-9		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE BCG WATER	NM Aqu Acute 100 mg			NM Aqu Chronic 100 mg			NM HH 05			NM Irrigation Std	NM LVSTK WTR STD			NMWQCC HUM HEALTH PEREN		NMED Rad Prot
			Fld Prep Code		F	UF	UF	F	UF	UF	F	UF	UF	F	F	UF		UF	UF	
			Scr Lvl Uom	pCi/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	mg/L	ug/L	pCi/L
SVOA	DDT[4,4'-]	50-29-3		—	—	—	1.1	—	—	0.001	—	—	0.0022	—	—	—	—	—	0.001	—
SVOA	Di-n-butylphthalate	84-74-2		—	—	—	—	—	—	—	—	—	4500	—	—	—	—	—	—	—
SVOA	Dibenz(a,h)anthracene	53-70-3		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Dichlorobenzene[1,2-]	95-50-1		—	—	—	—	—	—	—	—	—	17000	—	—	—	—	—	—	—
SVOA	Dichlorobenzene[1,3-]	541-73-1		—	—	—	—	—	—	—	—	—	960	—	—	—	—	—	—	—
SVOA	Dichlorobenzene[1,4-]	106-46-7		—	—	—	—	—	—	—	—	—	2600	—	—	—	—	—	—	—
SVOA	Dichlorobenzidine[3,3'-]	91-94-1		—	—	—	—	—	—	—	—	—	0.28	—	—	—	—	—	—	—
SVOA	Dichlorophenol[2,4-]	120-83-2		—	—	—	—	—	—	—	—	—	290	—	—	—	—	—	—	—
SVOA	Dieldrin	60-57-1		—	—	—	0.24	—	—	0.056	—	—	0.00054	—	—	—	—	—	—	—
SVOA	Diethylphthalate	84-66-2		—	—	—	—	—	—	—	—	—	44000	—	—	—	—	—	—	—
SVOA	Dimethyl Phthalate	131-11-3		—	—	—	—	—	—	—	—	—	1100000	—	—	—	—	—	—	—
SVOA	Dimethylphenol[2,4-]	105-67-9		—	—	—	—	—	—	—	—	—	850	—	—	—	—	—	—	—
SVOA	Dinitro-2-methylphenol[4,6-]	534-52-1		—	—	—	—	—	—	—	—	—	280	—	—	—	—	—	—	—
SVOA	Dinitrophenol[2,4-]	51-28-5		—	—	—	—	—	—	—	—	—	5300	—	—	—	—	—	—	—
SVOA	Dinitrotoluene[2,4-]	121-14-2		—	—	—	—	—	—	—	—	—	34	—	—	—	—	—	—	—
SVOA	Diphenylhydrazine[1,2-]	122-66-7		—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—
SVOA	Endosulfan I	959-98-8		—	—	—	0.22	—	—	0.056	—	—	89	—	—	—	—	—	—	—
SVOA	Endosulfan II	33213-65-9		—	—	—	0.22	—	—	0.056	—	—	89	—	—	—	—	—	—	—
SVOA	Endosulfan Sulfate	1031-07-8		—	—	—	—	—	—	—	—	—	89	—	—	—	—	—	—	—
SVOA	Endrin	72-20-8		—	—	—	0.086	—	—	0.036	—	—	0.81	—	—	—	—	—	—	—
SVOA	Endrin Aldehyde	7421-93-4		—	—	—	—	—	—	—	—	—	0.3	—	—	—	—	—	—	—
SVOA	Fluoranthene	206-44-0		—	—	—	—	—	—	—	—	—	140	—	—	—	—	—	—	—
SVOA	Fluorene	86-73-7		—	—	—	—	—	—	—	—	—	5300	—	—	—	—	—	—	—
SVOA	Heptachlor	76-44-8		—	—	—	0.52	—	—	0.0038	—	—	0.00079	—	—	—	—	—	—	—
SVOA	Heptachlor Epoxide	1024-57-3		—	—	—	0.52	—	—	0.0038	—	—	0.00039	—	—	—	—	—	—	—
SVOA	Hexachlorobenzene	118-74-1		—	—	—	—	—	—	—	—	—	0.0029	—	—	—	—	—	—	—
SVOA	Hexachlorobutadiene	87-68-3		—	—	—	—	—	—	—	—	—	180	—	—	—	—	—	—	—
SVOA	Hexachlorocyclopentadiene	77-47-4		—	—	—	—	—	—	—	—	—	17000	—	—	—	—	—	—	—
SVOA	Hexachloroethane	67-72-1		—	—	—	—	—	—	—	—	—	33	—	—	—	—	—	—	—
SVOA	Indeno(1,2,3-cd)pyrene	193-39-5		—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—
SVOA	Isophorone	78-59-1		—	—	—	—	—	—	—	—	—	9600	—	—	—	—	—	—	—
SVOA	Nitrobenzene	98-95-3		—	—	—	—	—	—	—	—	—	690	—	—	—	—	—	—	—
SVOA	Nitroso-di-n-propylamine[N-]	621-64-7		—	—	—	—	—	—	—	—	—	5.1	—	—	—	—	—	—	—
SVOA	Nitrosodimethylamine[N-]	62-75-9		—	—	—	—	—	—	—	—	—	30	—	—	—	—	—	—	—
SVOA	Nitrosodiphenylamine[N-]	86-30-6		—	—	—	—	—	—	—	—	—	60	—	—	—	—	—	—	—
SVOA	Oxybis(1-chloropropane)[2,2'-]	108-60-1		—	—	—	—	—	—	—	—	—	65000	—	—	—	—	—	—	—
SVOA	Pentachlorophenol	87-86-5		—	—	—	19	—	—	15	—	—	30	—	—	—	—	—	—	—

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	DOE BCG WATER	NM Aqu Acute 100 mg			NM Aqu Chronic 100 mg			NM HH 05			NM Irrigation Std	NM LVSTK WTR STD			NMWQCC HUM HEALTH PEREN		NMED Rad Prot
			Fld Prep Code		F	UF	UF	F	UF	UF	F	UF	UF	F	F	UF		UF	UF	
			Scr Lvl Uom	pCi/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	mg/L	ug/L	pCi/L
SVOA	Phenol	108-95-2		—	—	—	—	—	—	—	—	—	1700000	—	—	—	—	—	—	—
SVOA	Pyrene	129-00-0		—	—	—	—	—	—	—	—	—	4000	—	—	—	—	—	—	—
SVOA	Tetrachlorodibenzodioxin [2,3,7,8-]	1746-01-6		—	—	—	—	—	—	—	—	—	0.000000051	—	—	—	—	—	—	—
SVOA	Toxaphene (Technical Grade)	8001-35-2		—	—	—	0.73	—	—	0.0002	—	—	0.0028	—	—	—	—	—	—	—
SVOA	Trichlorobenzene[1,2,4-]	120-82-1		—	—	—	—	—	—	—	—	—	940	—	—	—	—	—	—	—
SVOA	Trichlorophenol[2,4,6-]	88-06-2		—	—	—	—	—	—	—	—	—	24	—	—	—	—	—	—	—
VOA	Acrolein	107-02-8		—	—	—	—	—	—	—	—	—	290	—	—	—	—	—	—	—
VOA	Acrylonitrile	107-13-1		—	—	—	—	—	—	—	—	—	2.5	—	—	—	—	—	—	—
VOA	Benzene	71-43-2		—	—	—	—	—	—	—	—	—	510	—	—	—	—	—	—	—
VOA	Bromodichloromethane	75-27-4		—	—	—	—	—	—	—	—	—	170	—	—	—	—	—	—	—
VOA	Bromoform	75-25-2		—	—	—	—	—	—	—	—	—	1400	—	—	—	—	—	—	—
VOA	Bromomethane	74-83-9		—	—	—	—	—	—	—	—	—	1500	—	—	—	—	—	—	—
VOA	Carbon Tetrachloride	56-23-5		—	—	—	—	—	—	—	—	—	16	—	—	—	—	—	—	—
VOA	Chlorobenzene	108-90-7		—	—	—	—	—	—	—	—	—	21000	—	—	—	—	—	—	—
VOA	Chlorodibromomethane	124-48-1		—	—	—	—	—	—	—	—	—	130	—	—	—	—	—	—	—
VOA	Chloroform	67-66-3		—	—	—	—	—	—	—	—	—	4700	—	—	—	—	—	—	—
VOA	Dichlorobenzene[1,2-]	95-50-1		—	—	—	—	—	—	—	—	—	17000	—	—	—	—	—	—	—
VOA	Dichlorobenzene[1,3-]	541-73-1		—	—	—	—	—	—	—	—	—	960	—	—	—	—	—	—	—
VOA	Dichlorobenzene[1,4-]	106-46-7		—	—	—	—	—	—	—	—	—	2600	—	—	—	—	—	—	—
VOA	Dichloroethane[1,2-]	107-06-2		—	—	—	—	—	—	—	—	—	370	—	—	—	—	—	—	—
VOA	Dichloroethene[1,1-]	75-35-4		—	—	—	—	—	—	—	—	—	32	—	—	—	—	—	—	—
VOA	Dichloroethene[trans-1,2-]	156-60-5		—	—	—	—	—	—	—	—	—	140000	—	—	—	—	—	—	—
VOA	Dichloropropane[1,2-]	78-87-5		—	—	—	—	—	—	—	—	—	150	—	—	—	—	—	—	—
VOA	Dichloropropene[cis/trans-1,3-]	542-75-6		—	—	—	—	—	—	—	—	—	1700	—	—	—	—	—	—	—
VOA	Ethylbenzene	100-41-4		—	—	—	—	—	—	—	—	—	29000	—	—	—	—	—	—	—
VOA	Hexachlorobutadiene	87-68-3		—	—	—	—	—	—	—	—	—	180	—	—	—	—	—	—	—
VOA	Methylene Chloride	75-09-2		—	—	—	—	—	—	—	—	—	5900	—	—	—	—	—	—	—
VOA	Oxybis(1-chloropropane)[2,2'-]	108-60-1		—	—	—	—	—	—	—	—	—	65000	—	—	—	—	—	—	—
VOA	Tetrachloroethane[1,1,2,2-]	79-34-5		—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—
VOA	Tetrachloroethene	127-18-4		—	—	—	—	—	—	—	—	—	33	—	—	—	—	—	—	—
VOA	Toluene	108-88-3		—	—	—	—	—	—	—	—	—	200000	—	—	—	—	—	—	—
VOA	Trichlorobenzene[1,2,4-]	120-82-1		—	—	—	—	—	—	—	—	—	940	—	—	—	—	—	—	—
VOA	Trichloroethane[1,1,2-]	79-00-5		—	—	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—
VOA	Trichloroethene	79-01-6		—	—	—	—	—	—	—	—	—	300	—	—	—	—	—	—	—
VOA	Vinyl Chloride	75-01-4		—	—	—	—	—	—	—	—	—	5300	—	—	—	—	—	—	—

[a] F = Filtered.

[b] UF = Unfiltered.

[c] — = No applicable guideline, screening level or regulatory standard.

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Table D-4
Data Quality Exceptions and Effects

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167877	General Inorganic	EPA:150.1	GF060700G02R01	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 includ
167877	General Inorganic	EPA:150.1	GU060700G02R01	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 includ
167877	General Inorganic	EPA:335.3	GF060700G02R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:335.3	GU060700G02R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:350.1	GF060700G02R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167877	General Inorganic	EPA:350.1	GU060700G02R01	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:350.1	GU060700G02R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167877	General Inorganic	EPA:351.2	GF060700G02R01	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:351.2	GF060700G02R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:351.2	GU060700G02R01	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:351.2	GU060700G02R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:351.2	GU060700G02R01	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:365.4	GF060700G02R01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:365.4	GF060700G02R01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:365.4	GU060700G02R01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167877	General Inorganic	EPA:365.4	GU060700G02R01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167877	General Inorganic	EPA:410.4	GU060700G02R02	Chemical Oxygen Demand	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.
167877	Metals	EPA:245.2	GF060700G02R01	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
167877	Metals	EPA:245.2	GU060700G02R01	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167877	Metals	SW-846:6010B	GF060700G02R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167877	Metals	SW-846:6020	GF060700G02R01	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167877	Radionuclides	EPA:900	GF060700G02R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:900	GF060700G02R01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:900	GU060700G02R01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
167877	Radionuclides	EPA:900	GU060700G02R01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GF060700G02R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:901.1	GU060700G02R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:905.0	GF060700G02R01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	EPA:905.0	GU060700G02R01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:AM-241	GF060700G02R01	Americium-241	JN-	RWQ7	Non-specified quality control failure - see validation report
167877	Radionuclides	HASL-300:AM-241	GF060700G02R01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:AM-241	GU060700G02R01	Americium-241	JN-	RWQ7	Non-specified quality control failure - see validation report
167877	Radionuclides	HASL-300:AM-241	GU060700G02R01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:ISOPU	GF060700G02R01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167877	Radionuclides	HASL-300:ISOPU	GF060700G02R01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:ISOPU	GU060700G02R01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:ISOPU	GU060700G02R01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:ISOU	GF060700G02R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	Radionuclides	HASL-300:ISOU	GU060700G02R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167877	SVOA	SW-846:8260B	GU060700G02R02	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167877	SVOA	SW-846:8270C	GU060700G02R02	Aniline	R	SV12a	The LCS percent recovery was less than 10%.
167877	SVOA	SW-846:8270C	GU060700G02R02	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
167877	SVOA	SW-846:8270C	GU060700G02R02	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
167877	SVOA	SW-846:8270C	GU060700G02R02	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167877	SVOA	SW-846:8270C	GU060700G02R02	Chloroaniline[4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167877	SVOA	SW-846:8270C	GU060700G02R02	Dinoseb	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Dioxane[1,4-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Nitrophenol[4-]	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.
167877	SVOA	SW-846:8270C	GU060700G02R02	Nitrosodiethylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Nitroso-di-n-butylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Nitrosopyrrolidine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Pentachlorobenzene	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	SVOA	SW-846:8270C	GU060700G02R02	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167877	VOA	SW-846:8260B	GU060700G02R02	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167877	VOA	SW-846:8260B	GU060700G02R02	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167877	VOA	SW-846:8260B	GU060700G02R02	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167877	VOA	SW-846:8260B	GU060700G02R02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167877	VOA	SW-846:8260B	GU060700G02R02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167877	VOA	SW-846:8260B	GU060700G02R02	Trimethylbenzene[1,2,4-]	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 contami
167877	VOA	SW-846:8260B	GU060700G02R02	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167878	SVOA	SW-846:8260B	GU060700G02R02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Trimethylbenzene[1,2,4-]	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 contami
167878	VOA	SW-846:8260B	GU060700G02R02-FTB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:150.1	GF060700G04R01	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 includ
167995	General Inorganic	EPA:150.1	GF060700G04R90	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 includ
167995	General Inorganic	EPA:150.1	GU060700G04R01	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 includ
167995	General Inorganic	EPA:150.1	GU060700G04R01-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 includ
167995	General Inorganic	EPA:150.1	GU060700G04R90	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 includ
167995	General Inorganic	EPA:300	GF060700G04R01	Sulfate	J+	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:300	GF060700G04R90	Sulfate	J+	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:300	GU060700G04R01	Sulfate	J+	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:300	GU060700G04R90	Sulfate	J+	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:310.1	GU060700G04R01-FB	Alkalinity-CO3+HCO3	UJ	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:335.3	GF060700G04R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	General Inorganic	EPA:335.3	GF060700G04R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:335.3	GU060700G04R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:335.3	GU060700G04R01-FB	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:335.3	GU060700G04R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GF060700G04R01	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GF060700G04R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:350.1	GF060700G04R90	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GF060700G04R90	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:350.1	GU060700G04R01	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GU060700G04R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:350.1	GU060700G04R01-FB	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GU060700G04R90	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:350.1	GU060700G04R90	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:351.2	GF060700G04R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:351.2	GF060700G04R90	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:351.2	GU060700G04R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:351.2	GU060700G04R01-FB	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:351.2	GU060700G04R90	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:353.1	GU060700G04R01-FB	Nitrate-Nitrite as N	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:365.4	GF060700G04R01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:365.4	GF060700G04R01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:365.4	GF060700G04R90	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:365.4	GF060700G04R90	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:365.4	GU060700G04R01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:365.4	GU060700G04R01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	General Inorganic	EPA:365.4	GU060700G04R01-FB	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:365.4	GU060700G04R01-FB	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:365.4	GU060700G04R90	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	EPA:365.4	GU060700G04R90	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167995	General Inorganic	EPA:365.4	GU060700G04R90	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	EPA:410.4	GU060700G04R02-FB	Chemical Oxygen Demand	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.
167995	General Inorganic	EPA:410.4	GU060700G04R91	Chemical Oxygen Demand	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.
167995	General Inorganic	EPA:410.4	GU060700G04R91	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	SW846 6850 Modified	GF060700G04R01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167995	General Inorganic	SW846 6850 Modified	GF060700G04R01	Perchlorate	J	LRP1	There is no measure of precison for the sample ie. No replicate, MSD or LCSD was performed.
167995	General Inorganic	SW846 6850 Modified	GF060700G04R90	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167995	General Inorganic	SW846 6850 Modified	GF060700G04R90	Perchlorate	J	LRP1	There is no measure of precison for the sample ie. No replicate, MSD or LCSD was performed.
167995	General Inorganic	SW846 6850 Modified	GU060700G04R01-FB	Perchlorate	UJ	LMS1	An applicable MS/MSD analysis was not performed.
167995	General Inorganic	SW846 6850 Modified	GU060700G04R01-FB	Perchlorate	UJ	LRP1	There is no measure of precison for the sample ie. No replicate, MSD or LCSD was performed.
167995	General Inorganic	SW-846:6010B	GF060700G04R01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
167995	General Inorganic	SW-846:6010B	GF060700G04R01	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	SW-846:6010B	GF060700G04R90	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
167995	General Inorganic	SW-846:6010B	GF060700G04R90	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	SW-846:6010B	GU060700G04R01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
167995	General Inorganic	SW-846:6010B	GU060700G04R01	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	SW-846:6010B	GU060700G04R01-FB	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
167995	General Inorganic	SW-846:6010B	GU060700G04R01-FB	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
167995	General Inorganic	SW-846:6010B	GU060700G04R01-FB	Sodium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	General Inorganic	SW-846:6010B	GU060700G04R90	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	General Inorganic	SW-846:6010B	GU060700G04R90	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
167995	Metals	SW-846:6010B	GF060700G04R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6010B	GF060700G04R90	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6010B	GU060700G04R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6010B	GU060700G04R01-FB	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6010B	GU060700G04R90	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GF060700G04R01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GF060700G04R01	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GF060700G04R90	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GU060700G04R01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GU060700G04R01-FB	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Metals	SW-846:6020	GU060700G04R90	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167995	Pesticides PCBs	SW-846:8081A	GU060700G04R01-FB	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167995	Pesticides PCBs	SW-846:8081A	GU060700G04R01-FB	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167995	Radionuclides	EPA:900	GF060700G04R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GF060700G04R01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167995	Radionuclides	EPA:900	GF060700G04R90	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GF060700G04R90	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GU060700G04R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GU060700G04R01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167995	Radionuclides	EPA:900	GU060700G04R01-FB	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GU060700G04R01-FB	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	Radionuclides	EPA:900	GU060700G04R90	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:900	GU060700G04R90	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167995	Radionuclides	EPA:901.1	GF060700G04R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R01	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
167995	Radionuclides	EPA:901.1	GF060700G04R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GF060700G04R90	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R01-FB	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167995	Radionuclides	EPA:901.1	GU060700G04R90	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R90	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R90	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R90	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R90	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:901.1	GU060700G04R90	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:905.0	GF060700G04R01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:905.0	GF060700G04R90	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:905.0	GU060700G04R01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:905.0	GU060700G04R01-FB	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	EPA:905.0	GU060700G04R90	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:AM-241	GF060700G04R01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:AM-241	GF060700G04R90	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:AM-241	GU060700G04R01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:AM-241	GU060700G04R01-FB	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:AM-241	GU060700G04R90	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GF060700G04R01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GF060700G04R01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GF060700G04R90	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GF060700G04R90	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R01-FB	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R01-FB	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R90	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOPU	GU060700G04R90	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	Radionuclides	HASL-300:ISOU	GF060700G04R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GF060700G04R90	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GU060700G04R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GU060700G04R01-FB	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GU060700G04R01-FB	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GU060700G04R01-FB	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	Radionuclides	HASL-300:ISOU	GU060700G04R90	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167995	SVOA	SW-846:8260B	GU060700G04R02	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	SVOA	SW-846:8260B	GU060700G04R02-FB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	SVOA	SW-846:8260B	GU060700G04R91	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	SVOA	SW-846:8270C	GU060700G04R02	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
167995	SVOA	SW-846:8270C	GU060700G04R02	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R02	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R02	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R02	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R02-FB	Butylbenzylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R02-FB	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
167995	SVOA	SW-846:8270C	GU060700G04R02-FB	Pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R91	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
167995	SVOA	SW-846:8270C	GU060700G04R91	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R91	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R91	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	SVOA	SW-846:8270C	GU060700G04R91	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
167995	VOA	SW-846:8260B	GU060700G04R02	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167995	VOA	SW-846:8260B	GU060700G04R02	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167995	VOA	SW-846:8260B	GU060700G04R02	Chloroethyl vinyl ether[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167995	VOA	SW-846:8260B	GU060700G04R02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R02	Trimethylbenzene[1,2,4-]	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 contami
167995	VOA	SW-846:8260B	GU060700G04R02	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Chloroethyl vinyl ether[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.
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R02-FB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167995	VOA	SW-846:8260B	GU060700G04R91	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167995	VOA	SW-846:8260B	GU060700G04R91	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167995	VOA	SW-846:8260B	GU060700G04R91	Chloroethyl vinyl ether[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.
167995	VOA	SW-846:8260B	GU060700G04R91	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R91	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167995	VOA	SW-846:8260B	GU060700G04R91	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167996	General Inorganic	EPA:410.4	GU060700G32L02	Chemical Oxygen Demand	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.
167996	General Inorganic	EPA:410.4	GU06070G05R202	Chemical Oxygen Demand	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.
167996	SVOA	SW-846:8260B	GU060700G32L02	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	SVOA	SW-846:8260B	GU06070G05R202	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	SVOA	SW-846:8270C	GU060700G32L02	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167996	SVOA	SW-846:8270C	GU060700G32L02	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Dibenz(a,h)anthracene	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	SVOA	SW-846:8270C	GU060700G32L02	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU060700G32L02	Indeno(1,2,3-cd)pyrene	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	SVOA	SW-846:8270C	GU060700G32L02	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
167996	SVOA	SW-846:8270C	GU06070G05R202	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167996	SVOA	SW-846:8270C	GU06070G05R202	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.
167996	VOA	SW-846:8260B	GU060700G32L02	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU060700G32L02	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Chloroethyl vinyl ether[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.
167996	VOA	SW-846:8260B	GU060700G32L02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Trimethylbenzene[1,2,4-]	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 contami
167996	VOA	SW-846:8260B	GU060700G32L02	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU06070G05R202	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU06070G05R202	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU06070G05R202	Chloroethyl vinyl ether[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.
167996	VOA	SW-846:8260B	GU06070G05R202	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167996	VOA	SW-846:8260B	GU06070G05R202	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU06070G05R202	Trimethylbenzene[1,2,4-]	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 contami
167996	VOA	SW-846:8260B	GU06070G05R202	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Butanol[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Diethyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Butanol[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Diethyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetone	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrolein	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Benzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromochloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromodichloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromoform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[n-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[sec-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[tert-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Carbon Disulfide	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloro-1-propene[3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorobenzene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorodibromomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloroethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloroform	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorotoluene[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorotoluene[4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromoethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[trans-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[2,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[cis-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[trans-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dioxane[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Ethyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Ethylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Hexachlorobutadiene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Hexanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Iodomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Isopropylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Isopropyltoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methacrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl tert-Butyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-1-propanol[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-2-pentanone[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methylene Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Naphthalene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Propionitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Propylbenzene[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Styrene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Toluene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethane[1,1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorofluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloropropane[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl acetate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl Chloride	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetone	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Benzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromochloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromodichloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromoform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[n-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[sec-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[tert-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Disulfide	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[trans-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[cis-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[trans-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexachlorobutadiene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexanone[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Iodomethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Isopropylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Isopropyltoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-2-pentanone[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methylene Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Naphthalene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Propionitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Propylbenzene[1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Styrene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Toluene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorofluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloropropane[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,3,5-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl acetate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Xylene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromomethane	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167996	SVOA	SW-846:8270C	GU06070G05R202	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167996	SVOA	SW-846:8270C	GU06070G05R202	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.
167996	VOA	SW-846:8260B	GU060700G32L02	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU060700G32L02	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Chloroethyl vinyl ether[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.
167996	VOA	SW-846:8260B	GU060700G32L02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU060700G32L02	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU060700G32L02	Trimethylbenzene[1,2,4-]	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 contami
167996	VOA	SW-846:8260B	GU060700G32L02	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU06070G05R202	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
167996	VOA	SW-846:8260B	GU06070G05R202	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU06070G05R202	Chloroethyl vinyl ether[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167996	VOA	SW-846:8260B	GU06070G05R202	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU06070G05R202	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167996	VOA	SW-846:8260B	GU06070G05R202	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
167996	VOA	SW-846:8260B	GU06070G05R202	Trimethylbenzene[1,2,4-]	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 contami
167996	VOA	SW-846:8260B	GU06070G05R202	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Butanol[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	SVOA	SW-846:8260B	GU060700G32L02-FTB	Diethyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Butanol[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	SVOA	SW-846:8260B	GU06070G05R202-FTB	Diethyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetone	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrolein	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Acrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Benzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromochloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromodichloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromoform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Bromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[n-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[sec-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Butylbenzene[tert-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Carbon Disulfide	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dibromomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorobenzene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichlorodifluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethane[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[cis-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloroethene[trans-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropane[2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[cis-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dichloropropene[trans-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Dioxane[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Ethyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Ethylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Hexachlorobutadiene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Hexanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Iodomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Isopropylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Isopropyltoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methacrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl tert-Butyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-1-propanol[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methyl-2-pentanone[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Methylene Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Naphthalene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Propionitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Propylbenzene[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Styrene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Tetrachloroethene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Toluene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethane[1,1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethane[1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorofluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloropropane[1,2,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl acetate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetone	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Benzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromochloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromodichloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromoform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butanone[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[n-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[sec-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[tert-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Disulfide	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[trans-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[cis-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[trans-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexachlorobutadiene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexanone[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Iodomethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Isopropylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Isopropyltoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-2-pentanone[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methylene Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Naphthalene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Propionitrile	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Propylbenzene[1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Styrene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Toluene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorofluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloropropane[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,3,5-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl acetate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Xylene[1,2-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	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
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[trans-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[cis-1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[trans-1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethyl Methacrylate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethylbenzene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexachlorobutadiene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexanone[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Iodomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropyltoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methacrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl tert-Butyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-2-pentanone[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methylene Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Naphthalene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propionitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propylbenzene[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Styrene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Toluene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorofluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloropropane[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl acetate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167998	General Inorganic	EPA:150.1	GF060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GF06070G05R201	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 includ
167998	General Inorganic	EPA:150.1	GU060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GU06070G05R201	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 includ
167998	General Inorganic	EPA:335.3	GF060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GF06070G05R201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU06070G05R201	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	General Inorganic	EPA:350.1	GF060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:351.2	GF06070G05R201	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:351.2	GU060700G32L01	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	SW846 6850 Modified	GF060700G32L01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167998	General Inorganic	SW846 6850 Modified	GF06070G05R201	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Metals	SW-846:6010B	GF060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GF06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Radionuclides	EPA:900	GF06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
167998	Radionuclides	EPA:900	GU06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	Radionuclides	EPA:901.1	GF06070G05R201	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF060700G32L01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF06070G05R201	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Radionuclides	HASL-300:AM-241	GU060700G32L01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GU06070G05R201	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF060700G32L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF06070G05R201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU060700G32L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU06070G05R201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	SVOA	SW-846:8270C	GU060700G32L01	Dinoseb	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosodiethylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitroso-di-n-butylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosopyrrolidine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Pentachlorobenzene	UJ	SWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	SVOA	SW-846:8270C	GU060700G32L01	Phenanthrene	R	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrolein	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrylonitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1,3-butadiene[2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1-propene[3-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Ethyl Methacrylate	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methacrylonitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl Methacrylate	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Propionitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167999	SVOA	SW-846:8260B	GU060700G04R02-FTB	Butanol[1-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	EPA:150.1	GF060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GF060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GF060700G6IR01	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 includ
168072	General Inorganic	EPA:150.1	GU060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GU060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GU060700G6IR01	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 includ
168072	General Inorganic	EPA:335.3	GF060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:350.1	GF060700G06R01	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G6IR01	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:353.1	GU060700G06R01	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:353.1	GU060700G06R90	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	J-	IWQ6 Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GF060700G06R90	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[trans-1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[cis-1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[trans-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexachlorobutadiene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Iodomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropyltoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methacrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl tert-Butyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-2-pentanone[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methylene Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Naphthalene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propionitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propylbenzene[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Styrene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Toluene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorofluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloropropane[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl acetate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl Chloride	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	General Inorganic	EPA:150.1	GF060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GF06070G05R201	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 includ
167998	General Inorganic	EPA:150.1	GU060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GU06070G05R201	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 includ
167998	General Inorganic	EPA:335.3	GF060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GF06070G05R201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU06070G05R201	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:350.1	GF060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:351.2	GF06070G05R201	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	General Inorganic	EPA:351.2	GU060700G32L01	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	SW846 6850 Modified	GF060700G32L01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167998	General Inorganic	SW846 6850 Modified	GF06070G05R201	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167998	Metals	SW-846:6010B	GF060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GF06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GF06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Radionuclides	EPA:900	GU06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF060700G32L01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF06070G05R201	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GU060700G32L01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GU06070G05R201	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF060700G32L01	Uranium-235/236	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF06070G05R201	Uranium-235/236	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU060700G32L01	Uranium-235/236	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU06070G05R201	Uranium-235/236	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	SVOA	SW-846:8270C	GU060700G32L01	Dinoseb	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosodiethylamine[N-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitroso-di-n-butylamine[N-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosopyrrolidine[N-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Pentachlorobenzene	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Phenanthrene	R	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrolein	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrylonitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1,3-butadiene[2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1-propene[3-]	UJ	VWQ5 Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Ethyl Methacrylate	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methacrylonitrile	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl Methacrylate	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Propionitrile	UJ	VWQ5	Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
167999	SVOA	SW-846:8260B	GU060700G04R02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	General Inorganic	EPA:150.1	GF060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GF060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GF060700G6IR01	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	EPA:150.1	GU060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GU060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GU060700G6IR01	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 includ
168072	General Inorganic	EPA:335.3	GF060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:350.1	GF060700G06R01	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	J	IWQ4	Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	J	IWQ4	Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G6IR01	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:353.1	GU060700G06R01	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:353.1	GU060700G06R90	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	J-	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	JN-	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GF060700G06R90	Total Phosphate as Phosphorus	R	IWQ6 Non-specified quality control failure - see validation report
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[trans-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[2,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[cis-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[trans-1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethylbenzene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexachlorobutadiene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexanone[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Iodomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropylbenzene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropyltoluene[4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methacrylonitrile	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl Methacrylate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl tert-Butyl Ether	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-2-pentanone[4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methylene Chloride	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Naphthalene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propionitrile	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propylbenzene[1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Styrene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Toluene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichlorofluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trichloropropane[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl acetate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Vinyl Chloride	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU060700G32L02-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetone	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acetonitrile	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrolein	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Acrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Benzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromochloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromodichloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromoform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Bromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butanone[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[n-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[sec-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Butylbenzene[tert-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Disulfide	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,4-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloroethene[trans-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[cis-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichloropropene[trans-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601	Dioxane[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Ethylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexachlorobutadiene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Hexanone[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Iodomethane	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Isopropylbenzene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Isopropyltoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-1-propanol[2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methyl-2-pentanone[4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Methylene Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Naphthalene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Propionitrile	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Propylbenzene[1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Styrene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Tetrachloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Toluene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorobenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,1-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethane[1,1,2-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloroethene	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichlorofluoromethane	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trichloropropane[1,2,3-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,2,4-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Trimethylbenzene[1,3,5-]	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl acetate	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Vinyl Chloride	UJ	VWQ6 The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Xylene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromomethane	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichlorodifluoromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[cis-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloroethene[trans-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	HMX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrobenzene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Aldrin	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[alpha-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[beta-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[delta-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	BHC[gamma-]	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Methoxychlor[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromochloromethane	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
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorodibromomethane	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GU06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GU06070G08R101	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GF06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:905.0	GU06070G08R101	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GF06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:AM-241	GU06070G08R101	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GF06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOPU	GU06070G08R101	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GF06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	HASL-300:ISOU	GU06070G08R101	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168595	SVOA	SW-846:8260B	GU06070G08R101	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Anthracene	R	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	SVOA	SW-846:8270C	GU06070G08R101	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	SVOA	SW-846:8270C	GU06070G08R101	Benzo(a)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dichlorophenol[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.
168595	SVOA	SW-846:8270C	GU06070G08R101	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168595	SVOA	SW-846:8270C	GU06070G08R101	Dioxane[1,4-]	U	SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination i
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Carbon Tetrachloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1,3-butadiene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloro-1-propene[3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorobenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorodibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloroform	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chloromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Chlorotoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromoethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dibromomethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,3-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorobenzene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichlorodifluoromethane	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethane[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[1,1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[cis-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloroethene[trans-1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropane[2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[cis-1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dichloropropene[trans-1,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Dioxane[1,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethyl Methacrylate	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Ethylbenzene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexachlorobutadiene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Hexanone[2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Iodomethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropylbenzene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Isopropyltoluene[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methacrylonitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl Methacrylate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl tert-Butyl Ether	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methyl-2-pentanone[4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Methylene Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Naphthalene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propionitrile	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Propylbenzene[1-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Styrene	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Tetrachloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Toluene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorobenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,1-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethane[1,1,2-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloroethene	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichlorofluoromethane	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trichloropropane[1,2,3-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,2,4-]	UJ	V14a Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Trimethylbenzene[1,3,5-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl acetate	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Vinyl Chloride	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,2-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167997	VOA	SW-846:8260B	GU06070G05R202-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
167998	General Inorganic	EPA:150.1	GF060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GF06070G05R201	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 includ
167998	General Inorganic	EPA:150.1	GU060700G32L01	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 includ
167998	General Inorganic	EPA:150.1	GU06070G05R201	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 includ
167998	General Inorganic	EPA:335.3	GF060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GF06070G05R201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU060700G32L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:335.3	GU06070G05R201	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	General Inorganic	EPA:350.1	GF060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:350.1	GF06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU060700G32L01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:350.1	GU06070G05R201	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:351.2	GF06070G05R201	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:351.2	GU060700G32L01	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF060700G32L01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GF06070G05R201	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU060700G32L01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
167998	General Inorganic	EPA:365.4	GU06070G05R201	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
167998	General Inorganic	SW846 6850 Modified	GF060700G32L01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
167998	General Inorganic	SW846 6850 Modified	GF06070G05R201	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Metals	SW-846:6010B	GF060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GF06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU060700G32L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Metals	SW-846:6010B	GU06070G05R201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU060700G32L01	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
167998	Pesticides PCBs	SW-846:8081A	GU06070G05R201	Heptachlor	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GF060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GF06070G05R201	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Radionuclides	EPA:900	GF06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:900	GU060700G32L01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:900	GU06070G05R201	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
167998	Radionuclides	EPA:900	GU06070G05R201	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF060700G32L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GF06070G05R201	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	Radionuclides	EPA:901.1	GF06070G05R201	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU060700G32L01	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:901.1	GU06070G05R201	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GF06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU060700G32L01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	EPA:905.0	GU06070G05R201	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF060700G32L01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GF06070G05R201	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
167998	Radionuclides	HASL-300:AM-241	GU060700G32L01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:AM-241	GU06070G05R201	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF060700G32L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GF06070G05R201	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU060700G32L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOPU	GU06070G05R201	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF060700G32L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GF06070G05R201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU060700G32L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	Radionuclides	HASL-300:ISOU	GU06070G05R201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
167998	SVOA	SW-846:8270C	GU060700G32L01	Dinoseb	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosodiethylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitroso-di-n-butylamine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Nitrosopyrrolidine[N-]	UJ	SWQ5	Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Pentachlorobenzene	UJ	SWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
167998	SVOA	SW-846:8270C	GU060700G32L01	Phenanthrene	R	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	SVOA	SW-846:8270C	GU060700G32L01	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrolein	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Acrylonitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1,3-butadiene[2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Chloro-1-propene[3-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Dioxane[1,4-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Ethyl Methacrylate	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methacrylonitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl Methacrylate	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167998	VOA	SW-846:8260B	GU060700G32L01	Methyl-1-propanol[2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Propionitrile	UJ	VWQ5 Non-specified quality control failure - see validation report
167998	VOA	SW-846:8260B	GU060700G32L01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ5 Non-specified quality control failure - see validation report
167999	SVOA	SW-846:8260B	GU060700G04R02-FTB	Butanol[1-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
167999	VOA	SW-846:8260B	GU060700G04R02-FTB	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	EPA:150.1	GF060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GF060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GF060700G6IR01	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 includ
168072	General Inorganic	EPA:150.1	GU060700G06R01	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 includ
168072	General Inorganic	EPA:150.1	GU060700G06R90	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 includ
168072	General Inorganic	EPA:150.1	GU060700G6IR01	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 includ
168072	General Inorganic	EPA:335.3	GF060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GF060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G06R90	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:335.3	GU060700G6IR01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:350.1	GF060700G06R01	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R01	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:350.1	GU060700G06R90	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:350.1	GU060700G6IR01	Ammonia as Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GF060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G06R90	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	R	IWQ6 Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:351.2	GU060700G6IR01	Total Kjeldahl Nitrogen	UJ	IWQ2 Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:353.1	GU060700G06R01	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:353.1	GU060700G06R90	Nitrate-Nitrite as N	J	IWQ4 Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	J-	IWQ6 Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	EPA:365.4	GF060700G06R01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GF060700G06R90	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GF060700G06R90	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GF060700G6IR01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GF060700G6IR01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GU060700G06R01	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GU060700G06R01	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GU060700G06R90	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GU060700G06R90	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:365.4	GU060700G6IR01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168072	General Inorganic	EPA:365.4	GU060700G6IR01	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
168072	General Inorganic	EPA:410.4	GU060700G06R01	Chemical Oxygen Demand	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.
168072	General Inorganic	EPA:410.4	GU060700G06R90	Chemical Oxygen Demand	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.
168072	General Inorganic	EPA:410.4	GU060700G6IR01	Chemical Oxygen Demand	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.
168072	General Inorganic	SW846 6850 Modified	GF060700G06R01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
168072	General Inorganic	SW846 6850 Modified	GF060700G06R90	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	General Inorganic	SW846 6850 Modified	GF060700G6IR01	Perchlorate	J	LMS1	An applicable MS/MSD analysis was not performed.
168072	Metals	SW-846:6010B	GF060700G06R01	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GF060700G06R01	Vanadium	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GF060700G06R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GF060700G06R90	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GF060700G06R90	Vanadium	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GF060700G06R90	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GF060700G6IR01	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GF060700G6IR01	Vanadium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GF060700G6IR01	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G06R01	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G06R01	Vanadium	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G06R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GU060700G06R90	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G06R90	Vanadium	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G06R90	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	Metals	SW-846:6010B	GU060700G6IR01	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168072	Metals	SW-846:6010B	GU060700G6IR01	Vanadium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6010B	GU060700G6IR01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6020	GF060700G06R01	Cadmium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Metals	SW-846:6020	GU060700G06R90	Cadmium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168072	Radionuclides	EPA:900	GF060700G06R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GF060700G06R01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GF060700G06R90	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GF060700G06R90	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GF060700G6IR01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GF060700G6IR01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GU060700G06R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GU060700G06R01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GU060700G06R90	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168072	Radionuclides	EPA:900	GU060700G06R90	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GU060700G6IR01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:900	GU060700G6IR01	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	Radionuclides	EPA:901.1	GF060700G06R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R90	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R90	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R90	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R90	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G06R90	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168072	Radionuclides	EPA:901.1	GF060700G06R90	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GF060700G6IR01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	Radionuclides	EPA:901.1	GU060700G06R01	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R01	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R01	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R01	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R01	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G06R90	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:901.1	GU060700G6IR01	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:905.0	GF060700G06R01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:905.0	GF060700G06R90	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	Radionuclides	EPA:905.0	GF060700G6IR01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:905.0	GU060700G06R01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:905.0	GU060700G06R90	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	EPA:905.0	GU060700G6IR01	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GF060700G06R01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GF060700G06R90	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GF060700G6IR01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GU060700G06R01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GU060700G06R90	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:AM-241	GU060700G6IR01	Americium-241	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G06R01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G06R01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G06R90	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G06R90	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G6IR01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GF060700G6IR01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GU060700G06R01	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GU060700G06R01	Plutonium-239/240	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GU060700G06R90	Plutonium-238	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	Radionuclides	HASL-300:ISOPU	GU060700G06R90	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GU060700G6IR01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOPU	GU060700G6IR01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R01	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R01	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168072	Radionuclides	HASL-300:ISOU	GF060700G06R90	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R90	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R90	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GF060700G06R90	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168072	Radionuclides	HASL-300:ISOU	GF060700G6IR01	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GF060700G6IR01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GF060700G6IR01	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G06R01	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G06R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GU060700G06R01	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G06R90	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G06R90	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	Radionuclides	HASL-300:ISOU	GU060700G06R90	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G6IR01	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	Radionuclides	HASL-300:ISOU	GU060700G6IR01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168072	Radionuclides	HASL-300:ISOU	GU060700G6IR01	Uranium-238	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168072	SVOA	SW-846:8260B	GU060700G06R01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	SVOA	SW-846:8260B	GU060700G06R01	Butanol[1-]	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
168072	SVOA	SW-846:8260B	GU060700G06R01	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
168072	SVOA	SW-846:8260B	GU060700G06R90	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	SVOA	SW-846:8260B	GU060700G06R90	Butanol[1-]	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
168072	SVOA	SW-846:8260B	GU060700G06R90	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
168072	SVOA	SW-846:8260B	GU060700G6IR01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	SVOA	SW-846:8260B	GU060700G6IR01	Butanol[1-]	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
168072	SVOA	SW-846:8260B	GU060700G6IR01	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
168072	SVOA	SW-846:8270C	GU060700G06R01	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	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.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodimethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-propylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorophenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenanthrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	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.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorobenzene[1,2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dioxane[1,4-]	J	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodimethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-propylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	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.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthylene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzyl Alcohol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethoxy)methane	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethyl)ether	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-ethylhexyl)phthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bromophenyl-phenylether[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Butylbenzylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloro-3-methylphenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloronaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenyl-phenyl[4-] Ether	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chrysene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenzofuran	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzidine[3,3'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorophenol[2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diethylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethyl Phthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethylphenol[2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-butylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitro-2-methylphenol[4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrophenol[2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinoseb	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dioxane[1,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diphenylamine	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluorene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobutadiene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorocyclopentadiene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachloroethane	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	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.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorobenzene[1,2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(b)fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(k)fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzoic Acid	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzyl Alcohol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethoxy)methane	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethyl)ether	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-ethylhexyl)phthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bromophenyl-phenylether[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Butylbenzylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloro-3-methylphenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloronaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenyl-phenyl[4-] Ether	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chrysene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenzofuran	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzidine[3,3'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorophenol[2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dioxane[1,4-]	J	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Naphthalene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	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.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorophenol[2,4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	VOA	SW-846:8260B	GU060700G06R01	Acetone	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
168072	VOA	SW-846:8260B	GU060700G06R01	Acetonitrile	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Acetonitrile	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Acrolein	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
168072	VOA	SW-846:8260B	GU060700G06R01	Acrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Benzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromochloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromodichloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromoform	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butanone[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[n-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[sec-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[tert-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Carbon Disulfide	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
168072	VOA	SW-846:8260B	GU060700G06R01	Carbon Tetrachloride	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloro-1,3-butadiene[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloro-1-propene[3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorodibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroethyl vinyl ether[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroform	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorotoluene[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorotoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromo-3-Chloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromoethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,3-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorodifluoromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethane[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[cis-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[trans-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[2,2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[cis/trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[cis-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Dioxane[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Ethyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Ethylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Hexachlorobutadiene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Hexanone[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Iodomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Isopropylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Isopropyltoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methacrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl tert-Butyl 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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-1-propanol[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-2-pentanone[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methylene Chloride	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Naphthalene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Propionitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Propylbenzene[1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Styrene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethane[1,1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethane[1,1,2,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Toluene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorobenzene[1,2,3-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorobenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethane[1,1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorofluoromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloropropane[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trimethylbenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trimethylbenzene[1,3,5-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Vinyl acetate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Vinyl Chloride	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Xylene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Xylene[1,3-]+Xylene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acetone	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R90	Acetonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R90	Acrolein	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Benzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromochloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromodichloromethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R90	Bromoform	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[n-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[sec-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[tert-]	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
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	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.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Isophorone	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[1-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[3-,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Naphthalene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorophenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenanthrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	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.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorobenzene[1,2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R01	Dioxane[1,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Diphenylamine	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Fluorene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorobutadiene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachlorocyclopentadiene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Hexachloroethane	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R01	Isophorone	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[1-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylnaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Methylphenol[3-,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Naphthalene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	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.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R01	Trichlorophenol[2,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Acenaphthylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Azobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzidine	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(a)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(b)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(g,h,i)perylene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzo(k)fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzoic Acid	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Benzyl Alcohol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethoxy)methane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-chloroethyl)ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bis(2-ethylhexyl)phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Bromophenyl-phenylether[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Butylbenzylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloro-3-methylphenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chloronaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G06R90	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G06R90	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[1-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylnaphthalene[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Methylphenol[3-,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Naphthalene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrophenol[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosodimethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitroso-di-n-propylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pentachlorophenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenanthrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Phenol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	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.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorobenzene[1,2,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,5-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G06R90	Trichlorophenol[2,4,6-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Acenaphthylene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Aniline	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Anthracene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Atrazine	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Azobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	R	SV12a The LCS percent recovery was less than 10%.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzidine	UJ	SWQ9 Calibration Verification %D was greater than the acceptance criteria but less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)anthracene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(a)pyrene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(b)fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(g,h,i)perylene	UJ	SWQ1 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzo(k)fluoranthene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzoic Acid	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Benzyl Alcohol	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethoxy)methane	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-chloroethyl)ether	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bis(2-ethylhexyl)phthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Bromophenyl-phenylether[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Butylbenzylphthalate	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloro-3-methylphenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chloronaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chlorophenyl-phenyl[4-] Ether	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Chrysene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenz(a,h)anthracene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dibenzofuran	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzene[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dichlorophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diethylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethyl Phthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dimethylphenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-butylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitro-2-methylphenol[4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrophenol[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinitrotoluene[2,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Di-n-octylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Dioxane[1,4-]	J	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Diphenylamine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluoranthene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Fluorene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorobutadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachlorocyclopentadiene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Hexachloroethane	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Indeno(1,2,3-cd)pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Indeno(1,2,3-cd)pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Isophorone	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylnaphthalene[1-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylnaphthalene[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylphenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Methylphenol[3-,4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Naphthalene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[3-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroaniline[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrobenzene	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrophenol[2-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrophenol[4-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosodiethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosodimethylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroso-di-n-butylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitroso-di-n-propylamine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Nitrosopyrrolidine[N-]	UJ	SV16 Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	SVOA	SW-846:8270C	GU060700G6IR01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pentachlorophenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Phenanthrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Phenol	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Pyrene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	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.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorobenzene[1,2,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorophenol[2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	SVOA	SW-846:8270C	GU060700G6IR01	Trichlorophenol[2,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168072	VOA	SW-846:8260B	GU060700G06R01	Acetone	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
168072	VOA	SW-846:8260B	GU060700G06R01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Acetonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Acrolein	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
168072	VOA	SW-846:8260B	GU060700G06R01	Acrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Benzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromochloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromodichloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromoform	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
168072	VOA	SW-846:8260B	GU060700G06R01	Bromomethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Butanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[n-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[sec-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Butylbenzene[tert-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Carbon Disulfide	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
168072	VOA	SW-846:8260B	GU060700G06R01	Carbon Tetrachloride	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloro-1,3-butadiene[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloro-1-propene[3-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorodibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroethyl vinyl ether[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloroform	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorotoluene[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Chlorotoluene[4-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromo-3-Chloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromoethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorobenzene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichlorodifluoromethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethane[1,1-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[cis-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloroethene[trans-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropane[2,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[1,1-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[cis/trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[cis-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dichloropropene[trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Dioxane[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Ethyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Ethylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Hexachlorobutadiene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Hexanone[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Iodomethane	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
168072	VOA	SW-846:8260B	GU060700G06R01	Isopropylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Isopropyltoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methacrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl tert-Butyl 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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-1-propanol[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Methyl-2-pentanone[4-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Methylene Chloride	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
168072	VOA	SW-846:8260B	GU060700G06R01	Naphthalene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Propionitrile	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
168072	VOA	SW-846:8260B	GU060700G06R01	Propylbenzene[1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Styrene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethane[1,1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethane[1,1,2,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Tetrachloroethene	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R01	Toluene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorobenzene[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorobenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethane[1,1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloroethene	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trichlorofluoromethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R01	Trichloropropane[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trimethylbenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Trimethylbenzene[1,3,5-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Vinyl acetate	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
168072	VOA	SW-846:8260B	GU060700G06R01	Vinyl Chloride	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
168072	VOA	SW-846:8260B	GU060700G06R01	Xylene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R01	Xylene[1,3-]+Xylene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acetone	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R90	Acetonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R90	Acrolein	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
168072	VOA	SW-846:8260B	GU060700G06R90	Acrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Benzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromochloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromodichloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Bromoform	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Bromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[n-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[sec-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Butylbenzene[tert-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Carbon Disulfide	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
168072	VOA	SW-846:8260B	GU060700G06R90	Carbon Tetrachloride	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chloro-1,3-butadiene[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Chloro-1-propene[3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chlorobenzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chlorodibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chloroethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chloroethyl vinyl ether[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chloroform	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chloromethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Chlorotoluene[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Chlorotoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dibromo-3-Chloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dibromoethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dibromomethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichlorobenzene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichlorobenzene[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichlorobenzene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichlorodifluoromethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloroethane[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloroethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloroethene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloroethene[cis-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloroethene[trans-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropane[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropane[2,2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropene[cis/trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropene[cis-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dichloropropene[trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R90	Dioxane[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Ethyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R90	Ethylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Hexachlorobutadiene	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G06R90	Hexanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Iodomethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Isopropylbenzene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Isopropyltoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Methacrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Methyl Methacrylate	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
168072	VOA	SW-846:8260B	GU060700G06R90	Methyl tert-Butyl 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
168072	VOA	SW-846:8260B	GU060700G06R90	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G06R90	Methyl-1-propanol[2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Methyl-2-pentanone[4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Methylene Chloride	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
168072	VOA	SW-846:8260B	GU060700G06R90	Naphthalene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Propionitrile	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
168072	VOA	SW-846:8260B	GU060700G06R90	Propylbenzene[1-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Styrene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Tetrachloroethane[1,1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Tetrachloroethane[1,1,2,2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Tetrachloroethene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Toluene	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichloro-1,2,2-trifluoroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichlorobenzene[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichlorobenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichloroethane[1,1,1-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichloroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichloroethene	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G06R90	Trichlorofluoromethane	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trichloropropane[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trimethylbenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Trimethylbenzene[1,3,5-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Vinyl acetate	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
168072	VOA	SW-846:8260B	GU060700G06R90	Vinyl Chloride	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
168072	VOA	SW-846:8260B	GU060700G06R90	Xylene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G06R90	Xylene[1,3-]+Xylene[1,4-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G6IR01	Acetone	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G6IR01	Acetonitrile	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G6IR01	Acrolein	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Acrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Benzene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Bromobenzene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Bromochloromethane	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Bromodichloromethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Bromoform	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Bromomethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Butanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Butylbenzene[n-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Butylbenzene[sec-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Butylbenzene[tert-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Carbon Disulfide	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Carbon Tetrachloride	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloro-1,3-butadiene[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloro-1-propene[3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chlorobenzene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chlorodibromomethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloroethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloroethyl vinyl ether[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloroform	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Chloromethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chlorotoluene[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Chlorotoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dibromo-3-Chloropropane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dibromoethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dibromomethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichlorobenzene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichlorobenzene[1,3-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichlorobenzene[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichlorodifluoromethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloroethane[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloroethane[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloroethene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloroethene[cis-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloroethene[trans-1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropane[1,2-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropane[1,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropane[2,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropene[1,1-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropene[cis/trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropene[cis-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dichloropropene[trans-1,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G6IR01	Dioxane[1,4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Ethyl Methacrylate	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Ethylbenzene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Hexachlorobutadiene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Hexanone[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Iodomethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Isopropylbenzene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Isopropyltoluene[4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Methacrylonitrile	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Methyl Methacrylate	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G6IR01	Methyl tert-Butyl 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
168072	VOA	SW-846:8260B	GU060700G6IR01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168072	VOA	SW-846:8260B	GU060700G6IR01	Methyl-1-propanol[2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Methyl-2-pentanone[4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Methylene Chloride	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Naphthalene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Propionitrile	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Propylbenzene[1-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Styrene	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G6IR01	Tetrachloroethane[1,1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Tetrachloroethane[1,1,2,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Tetrachloroethene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Toluene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichlorobenzene[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichlorobenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichloroethane[1,1,1-]	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichloroethane[1,1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichloroethene	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichlorofluoromethane	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trichloropropane[1,2,3-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trimethylbenzene[1,2,4-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Trimethylbenzene[1,3,5-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Vinyl acetate	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Vinyl Chloride	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

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168072	VOA	SW-846:8260B	GU060700G6IR01	Xylene[1,2-]	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
168072	VOA	SW-846:8260B	GU060700G6IR01	Xylene[1,3-]+Xylene[1,4-]	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
168081	General Inorganic	EPA:150.1	GF060700P03901	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 includ
168081	General Inorganic	EPA:150.1	GU060700P03901	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 includ
168081	General Inorganic	EPA:350.1	GF060700P03901	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168081	General Inorganic	EPA:350.1	GU060700P03901	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168081	General Inorganic	EPA:365.4	GF060700P03901	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168081	General Inorganic	EPA:365.4	GU060700P03901	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168081	General Inorganic	EPA:365.4	GU060700P03901	Total Phosphate as Phosphorus	JN-	IWQ2	Negative blank samples results were greater than the MDL
168081	General Inorganic	SW-846:6010B	GF060700P03901	Sodium	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
168081	General Inorganic	SW-846:6010B	GU060700P03901	Sodium	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
168081	Metals	EPA:245.2	GF060700P03901	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168081	Metals	EPA:245.2	GU060700P03901	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168081	Metals	SW-846:6010B	GF060700P03901	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168081	Metals	SW-846:6010B	GU060700P03901	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168081	Metals	SW-846:6020	GF060700P03901	Cadmium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168081	Pesticides PCBs	SW-846:8081A	GU060700P03901	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168081	Pesticides PCBs	SW-846:8081A	GU060700P03901	Heptachlor	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168081	Radionuclides	EPA:900	GF060700P03901	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168081	Radionuclides	EPA:900	GF060700P03901	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168081	Radionuclides	EPA:900	GU060700P03901	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168081	Radionuclides	EPA:900	GU060700P03901	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168081	Radionuclides	EPA:901.1	GF060700P03901	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GF060700P03901	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GF060700P03901	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GF060700P03901	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GF060700P03901	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GF060700P03901	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	EPA:901.1	GU060700P03901	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168081	Radionuclides	HASL-300:AM-241	GF060700P03901	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:AM-241	GU060700P03901	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:ISOPU	GF060700P03901	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:ISOPU	GF060700P03901	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:ISOPU	GU060700P03901	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:ISOPU	GU060700P03901	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168081	Radionuclides	HASL-300:ISOU	GF060700P03901	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168081	Radionuclides	HASL-300:ISOU	GU060700P03901	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168081	SVOA	SW-846:8270C	GU060700P03901	Butylbenzylphthalate	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168081	SVOA	SW-846:8270C	GU060700P03901	Dibenz(a,h)anthracene	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168081	SVOA	SW-846:8270C	GU060700P03901	Indeno(1,2,3-cd)pyrene	UJ	SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168081	SVOA	SW-846:8270C	GU060700P03901	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168081	SVOA	SW-846:8270C	GU060700P03901	Pyrene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168081	VOA	SW-846:8260B	GU060700P03901	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 contami
168081	VOA	SW-846:8260B	GU060700P03901	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901	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.
168081	VOA	SW-846:8260B	GU060700P03901	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168081	VOA	SW-846:8260B	GU060700P03901-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.
168081	VOA	SW-846:8260B	GU060700P03901-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168081	VOA	SW-846:8260B	GU060700P03901-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	SVOA	SW-846:8260B	GU060700G06R01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	SVOA	SW-846:8260B	GU060700G06R01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	SVOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	SVOA	SW-846:8260B	GU060700G6IR01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	SVOA	SW-846:8260B	GU060700G6IR01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	SVOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Bromoform	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
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Butanone[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chloro-1,3-butadiene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chloro-1-propene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chlorotoluene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Chlorotoluene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dibromo-3-Chloropropane[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dibromoethane[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloroethane[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloroethene[cis-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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloroethene[trans-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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropane[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropane[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropane[2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropene[1,1-]	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
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Dioxane[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Ethyl Methacrylate	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Ethylbenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Hexachlorobutadiene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Hexanone[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Iodomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Isopropylbenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Isopropyltoluene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methacrylonitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methyl Methacrylate	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methyl tert-Butyl 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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methyl-1-propanol[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methyl-2-pentanone[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Methylene 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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Naphthalene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Propionitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Propylbenzene[1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Styrene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Tetrachloroethene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Toluene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Trichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Trichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Trichloroethane[1,1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	Trichloroethane[1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G06R01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acetone	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acetonitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acetonitrile	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acrolein	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acrolein	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Acrylonitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Benzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Bromochloromethane	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
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Butanone[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chloro-1,3-butadiene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chloro-1-propene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chloromethane	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
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chlorotoluene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Chlorotoluene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dibromo-3-Chloropropane[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dibromoethane[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloroethane[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloroethene[cis-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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloroethene[trans-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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropane[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropane[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Dioxane[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Hexanone[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Isopropyltoluene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methyl Methacrylate	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
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methyl tert-Butyl 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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methyl-1-propanol[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methyl-2-pentanone[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Methylene 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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Naphthalene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Propionitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Propylbenzene[1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Styrene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Tetrachloroethene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Toluene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Trichlorobenzene[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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Trichlorobenzene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168085	VOA	SW-846:8260B	GU060700G6IR01-FTB	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.
168162	General Inorganic	EPA:150.1	GF060700P05601	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 includ
168162	General Inorganic	EPA:150.1	GU060700P05601	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 includ
168162	General Inorganic	EPA:350.1	GF060700P05601	Ammonia as Nitrogen	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	
168162	General Inorganic	EPA:350.1	GF060700P05601	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	General Inorganic	EPA:350.1	GU060700P05601	Ammonia as Nitrogen	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.
168162	General Inorganic	EPA:350.1	GU060700P05601	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	General Inorganic	SW-846:6010B	GF060700P05601	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
168162	General Inorganic	SW-846:6010B	GU060700P05601	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
168162	Metals	EPA:245.2	GF060700P05601	Mercury	UJ	IWQ1	The sample temperature was elevated
168162	Metals	EPA:245.2	GU060700P05601	Mercury	UJ	IWQ1	The sample temperature was elevated
168162	Metals	SW-846:6010B	GF060700P05601	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	Metals	SW-846:6010B	GU060700P05601	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	Metals	SW-846:6020	GF060700P05601	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	Metals	SW-846:6020	GF060700P05601	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168162	Pesticides PCBs	SW-846:8081A	GU060700P05601	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168162	Pesticides PCBs	SW-846:8081A	GU060700P05601	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168162	Radionuclides	EPA:900	GF060700P05601	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168162	Radionuclides	EPA:900	GF060700P05601	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:900	GF060700P05601	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168162	Radionuclides	EPA:900	GU060700P05601	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168162	Radionuclides	EPA:900	GU060700P05601	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168162	Radionuclides	EPA:901.1	GF060700P05601	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GF060700P05601	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GF060700P05601	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GF060700P05601	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GF060700P05601	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GF060700P05601	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:901.1	GU060700P05601	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:905.0	GF060700P05601	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	EPA:905.0	GU060700P05601	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	HASL-300:AM-241	GF060700P05601	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	HASL-300:AM-241	GU060700P05601	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168162	Radionuclides	HASL-300:ISOPU	GF060700P05601	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	HASL-300:ISOPU	GU060700P05601	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	HASL-300:ISOU	GF060700P05601	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	Radionuclides	HASL-300:ISOU	GU060700P05601	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168162	SVOA	SW-846:8270C	GU060700P05601	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.
168162	SVOA	SW-846:8270C	GU060700P05601	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168162	SVOA	SW-846:8270C	GU060700P05601	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168162	VOA	SW-846:8260B	GU060700P05601	Acetone	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168162	VOA	SW-846:8260B	GU060700P05601	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Benzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chlorobenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chlorodibromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chloroethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chloroform	J	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chloroform	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 contami
168162	VOA	SW-846:8260B	GU060700P05601	Chloromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chlorotoluene[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Chlorotoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dibromoethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dibromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Dichlorobenzene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Acetone	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Benzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chlorobenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chlorodibromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chloroethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chloroform	J	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chloromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chlorotoluene[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Chlorotoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dibromoethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dibromomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichlorobenzene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichlorobenzene[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichlorobenzene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichlorodifluoromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloroethane[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloroethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloroethene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloroethene[cis-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloroethene[trans-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropane[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropane[2,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropene[cis-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dichloropropene[trans-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Dioxane[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Ethyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Ethylbenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Hexachlorobutadiene	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Hexanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Iodomethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Isopropylbenzene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Isopropyltoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methacrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methyl-1-propanol[2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methyl-2-pentanone[4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Methylene Chloride	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Naphthalene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Propionitrile	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Propylbenzene[1-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Styrene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Tetrachloroethene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Toluene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichlorobenzene[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichlorobenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichloroethane[1,1,1-]	J	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichloroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichloroethene	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichlorofluoromethane	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trichloropropane[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trimethylbenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Trimethylbenzene[1,3,5-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Vinyl acetate	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Vinyl Chloride	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Xylene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168162	VOA	SW-846:8260B	GU060700P05601-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	General Inorganic	EPA:150.1	GF060700G2OL01	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 includ
168163	General Inorganic	EPA:150.1	GF06070G05R301	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	General Inorganic	EPA:150.1	GU060700G2OL01	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 includ
168163	General Inorganic	EPA:150.1	GU06070G05R301	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 includ
168163	General Inorganic	EPA:335.3	GF060700G2OL01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:335.3	GF06070G05R301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:335.3	GU060700G2OL01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:335.3	GU06070G05R301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:350.1	GF060700G2OL01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	General Inorganic	EPA:350.1	GF06070G05R301	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	General Inorganic	EPA:350.1	GU060700G2OL01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	General Inorganic	EPA:350.1	GU06070G05R301	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	General Inorganic	EPA:351.2	GU06070G05R301	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:365.4	GF060700G2OL01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168163	General Inorganic	EPA:365.4	GF06070G05R301	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168163	General Inorganic	EPA:365.4	GF06070G05R301	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	General Inorganic	EPA:365.4	GU060700G2OL01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168163	General Inorganic	EPA:365.4	GU06070G05R301	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168163	General Inorganic	EPA:365.4	GU06070G05R301	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168163	Metals	EPA:245.2	GF060700G2OL01	Mercury	UJ	IWQ1	The sample temperature was elevated
168163	Metals	EPA:245.2	GF06070G05R301	Mercury	UJ	IWQ1	The sample temperature was elevated
168163	Metals	EPA:245.2	GU060700G2OL01	Mercury	UJ	IWQ1	The sample temperature was elevated

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	Metals	EPA:245.2	GU06070G05R301	Mercury	UJ	IWQ1	The sample temperature was elevated
168163	Metals	SW-846:6010B	GF060700G2OL01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Metals	SW-846:6010B	GF06070G05R301	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Metals	SW-846:6010B	GU060700G2OL01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Metals	SW-846:6010B	GU06070G05R301	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Metals	SW-846:6020	GF060700G2OL01	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Metals	SW-846:6020	GU060700G2OL01	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168163	Pesticides PCBs	SW-846:8081A	GU060700G2OL01	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	Pesticides PCBs	SW-846:8081A	GU060700G2OL01	Heptachlor	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	Pesticides PCBs	SW-846:8081A	GU06070G05R301	Aldrin	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	Pesticides PCBs	SW-846:8081A	GU06070G05R301	Heptachlor	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	Radionuclides	EPA:900	GF060700G2OL01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168163	Radionuclides	EPA:900	GF060700G2OL01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:900	GF06070G05R301	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168163	Radionuclides	EPA:900	GF06070G05R301	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:900	GF06070G05R301	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168163	Radionuclides	EPA:900	GU060700G2OL01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168163	Radionuclides	EPA:900	GU060700G2OL01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:900	GU06070G05R301	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	Radionuclides	EPA:900	GU06070G05R301	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168163	Radionuclides	EPA:900	GU06070G05R301	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168163	Radionuclides	EPA:901.1	GF060700G2OL01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GF06070G05R301	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU060700G2OL01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU06070G05R301	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU06070G05R301	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU06070G05R301	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU06070G05R301	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	Radionuclides	EPA:901.1	GU06070G05R301	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:901.1	GU06070G05R301	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:905.0	GF06070G05R301	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	EPA:905.0	GU06070G05R301	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:AM-241	GF060700G2OL01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:AM-241	GF06070G05R301	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:AM-241	GU060700G2OL01	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168163	Radionuclides	HASL-300:AM-241	GU06070G05R301	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GF060700G2OL01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GF060700G2OL01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GF06070G05R301	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GF06070G05R301	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GU060700G2OL01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GU060700G2OL01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GU06070G05R301	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOPU	GU06070G05R301	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOU	GF060700G2OL01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOU	GF060700G2OL01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168163	Radionuclides	HASL-300:ISOU	GF06070G05R301	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOU	GU060700G2OL01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	Radionuclides	HASL-300:ISOU	GU060700G2OL01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168163	Radionuclides	HASL-300:ISOU	GU06070G05R301	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168163	SVOA	SW-846:8260B	GU060700G2OL01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168163	SVOA	SW-846:8260B	GU060700G2OL01	Butanol[1-]	UJ	VWQ6	The sample was improperly preserved.
168163	SVOA	SW-846:8260B	GU060700G2OL01	Diethyl Ether	UJ	VWQ6	The sample was improperly preserved.
168163	SVOA	SW-846:8260B	GU06070G05R302	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	SVOA	SW-846:8260B	GU06070G05R302	Butanol[1-]	UJ	VWQ6	The sample was improperly preserved.
168163	SVOA	SW-846:8260B	GU06070G05R302	Diethyl Ether	UJ	VWQ6	The sample was improperly preserved.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	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.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	SVOA	SW-846:8270C	GU060700G2OL01	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168163	SVOA	SW-846:8270C	GU060700G2OL01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU060700G2OL01	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.
168163	SVOA	SW-846:8270C	GU06070G05R302	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	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.
168163	SVOA	SW-846:8270C	GU06070G05R302	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168163	SVOA	SW-846:8270C	GU06070G05R302	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168163	SVOA	SW-846:8270C	GU06070G05R302	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168163	SVOA	SW-846:8270C	GU06070G05R302	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.
168163	VOA	SW-846:8260B	GU060700G2OL01	Acetone	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU060700G2OL01	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Benzene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloro-1-propene[3-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chlorobenzene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chlorodibromomethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloroethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloroethyl vinyl ether[2-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloroform	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chloromethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chlorotoluene[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Chlorotoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dibromoethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dibromomethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichlorobenzene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloroethene[trans-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropane[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropene[cis-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dichloropropene[trans-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU060700G2OL01	Dioxane[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Ethyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Ethylbenzene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Hexachlorobutadiene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Hexanone[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Iodomethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Isopropylbenzene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Isopropyltoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methyl tert-Butyl Ether	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methyl-1-propanol[2-]	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methyl-1-propanol[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methyl-2-pentanone[4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Methylene Chloride	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Naphthalene	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	VOA	SW-846:8260B	GU060700G2OL01	Propionitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Propylbenzene[1-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Styrene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Tetrachloroethene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Toluene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichlorobenzene[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichlorobenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichloroethane[1,1,1-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichloroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichloroethene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichlorofluoromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trichloropropane[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trimethylbenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Trimethylbenzene[1,3,5-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Vinyl acetate	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Vinyl Chloride	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Xylene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU060700G2OL01	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Acetone	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU06070G05R302	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Benzene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168163	VOA	SW-846:8260B	GU06070G05R302	Chloro-1-propene[3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chlorobenzene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chlorodibromomethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chloroethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chloroethyl vinyl ether[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chloroform	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chloromethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chlorotoluene[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Chlorotoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dibromoethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dibromomethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichlorobenzene[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichlorobenzene[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichlorobenzene[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichlorodifluoromethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloroethane[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloroethane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloroethene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloroethene[cis-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloroethene[trans-1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropane[1,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropane[1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropane[2,2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropene[1,1-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropene[cis-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dichloropropene[trans-1,3-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Dioxane[1,4-]	R	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU06070G05R302	Dioxane[1,4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Ethyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Ethylbenzene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Hexachlorobutadiene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Hexanone[2-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Iodomethane	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Isopropylbenzene	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Isopropyltoluene[4-]	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Methacrylonitrile	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Methyl Methacrylate	UJ	VWQ6 The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Methyl tert-Butyl Ether	UJ	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168163	VOA	SW-846:8260B	GU06070G05R302	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168163	VOA	SW-846:8260B	GU06070G05R302	Methyl-1-propanol[2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Methyl-2-pentanone[4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Methylene Chloride	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Naphthalene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Propionitrile	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Propylbenzene[1-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Styrene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Tetrachloroethene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Toluene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichlorobenzene[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichlorobenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichloroethane[1,1,1-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichloroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichloroethene	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichlorofluoromethane	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trichloropropane[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trimethylbenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Trimethylbenzene[1,3,5-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Vinyl acetate	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Vinyl Chloride	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Xylene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168163	VOA	SW-846:8260B	GU06070G05R302	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	SVOA	SW-846:8260B	GU060700G2OL01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	SVOA	SW-846:8260B	GU060700G2OL01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	SVOA	SW-846:8260B	GU060700G2OL01-FTB	Butanol[1-]	UJ	VWQ6	The sample was improperly preserved.
168164	SVOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	SVOA	SW-846:8260B	GU060700G2OL01-FTB	Diethyl Ether	UJ	VWQ6	The sample was improperly preserved.
168164	SVOA	SW-846:8260B	GU06070G05R302-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	SVOA	SW-846:8260B	GU06070G05R302-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	SVOA	SW-846:8260B	GU06070G05R302-FTB	Butanol[1-]	UJ	VWQ6	The sample was improperly preserved.
168164	SVOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	SVOA	SW-846:8260B	GU06070G05R302-FTB	Diethyl Ether	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acetone	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Benzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromoform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromomethane	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	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butanone[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloro-1,3-butadiene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloro-1-propene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloro-1-propene[3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorobenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorodibromomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloroethane	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloroform	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorotoluene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorotoluene[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorotoluene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Chlorotoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromo-3-Chloropropane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromoethane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromoethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropane[2,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[cis-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dichloropropene[trans-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dioxane[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dioxane[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Ethyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Ethylbenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Hexachlorobutadiene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Hexanone[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Hexanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Iodomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Isopropylbenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Isopropyltoluene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Isopropyltoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methacrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl tert-Butyl 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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl tert-Butyl Ether	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl-1-propanol[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl-1-propanol[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl-2-pentanone[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methyl-2-pentanone[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methylene 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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Methylene Chloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Naphthalene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Propionitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Propylbenzene[1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Styrene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Tetrachloroethene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Toluene	J	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Toluene	J	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichlorobenzene[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichlorobenzene[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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichlorobenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloroethane[1,1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloroethene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichlorofluoromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trichloropropane[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trimethylbenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Trimethylbenzene[1,3,5-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Vinyl acetate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Vinyl Chloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Xylene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	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.
168164	VOA	SW-846:8260B	GU060700G2OL01-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acetone	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acetonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acrolein	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Acrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Benzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromobenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromochloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromodichloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromoform	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	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromoform	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Bromomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butanone[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[n-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[n-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[sec-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Butylbenzene[tert-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Carbon Disulfide	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Carbon Tetrachloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloro-1,3-butadiene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloro-1,3-butadiene[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloro-1-propene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloro-1-propene[3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorobenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorodibromomethane	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloroethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloroform	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chloromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorotoluene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorotoluene[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorotoluene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Chlorotoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromo-3-Chloropropane[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromoethane[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromoethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dibromomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorobenzene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorodifluoromethane	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	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichlorodifluoromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethane[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethane[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[cis-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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[cis-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[trans-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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloroethene[trans-1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropane[2,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[cis/trans-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[cis-1,3-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dichloropropene[trans-1,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dioxane[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dioxane[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Ethyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Ethylbenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Hexachlorobutadiene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Hexanone[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Hexanone[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Iodomethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Isopropylbenzene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Isopropyltoluene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Isopropyltoluene[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methacrylonitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl Methacrylate	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	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl Methacrylate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl tert-Butyl 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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl tert-Butyl Ether	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl-1-propanol[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl-1-propanol[2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl-2-pentanone[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methyl-2-pentanone[4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methylene 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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Methylene Chloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Naphthalene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Propionitrile	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Propylbenzene[1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Styrene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethane[1,1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethane[1,1,2,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethene	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	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Tetrachloroethene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Toluene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichlorobenzene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichlorobenzene[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichlorobenzene[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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichlorobenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloroethane[1,1,1-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloroethane[1,1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloroethene	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichlorofluoromethane	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trichloropropane[1,2,3-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trimethylbenzene[1,2,4-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Trimethylbenzene[1,3,5-]	UJ	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Vinyl acetate	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Vinyl Chloride	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Xylene[1,2-]	UJ	VWQ6	The sample was improperly preserved.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	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.
168164	VOA	SW-846:8260B	GU06070G05R302-FTB	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ6	The sample was improperly preserved.
168165	General Inorganic	EPA:120.1	GF060700GR2401	Specific Conductance	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:120.1	GF060700GR2490	Specific Conductance	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:120.1	GU060700GR2401	Specific Conductance	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:120.1	GU060700GR2490	Specific Conductance	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:150.1	GF060700GR2401	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 includ
168165	General Inorganic	EPA:150.1	GF060700GR2401	pH	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:150.1	GF060700GR2490	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 includ
168165	General Inorganic	EPA:150.1	GF060700GR2490	pH	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:150.1	GU060700GR2401	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 includ
168165	General Inorganic	EPA:150.1	GU060700GR2401	pH	J	IWQ1	The sample temperature was elevated

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	General Inorganic	EPA:150.1	GU060700GR2490	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 includ
168165	General Inorganic	EPA:150.1	GU060700GR2490	pH	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.1	GF060700GR2401	Total Dissolved Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.1	GF060700GR2490	Total Dissolved Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.1	GU060700GR2401	Total Dissolved Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.1	GU060700GR2490	Total Dissolved Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.2	GU060700GR2401	Total Suspended Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:160.2	GU060700GR2490	Total Suspended Solids	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2401	Bromide	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2401	Chloride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2401	Fluoride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2401	Sulfate	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2490	Bromide	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2490	Chloride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2490	Fluoride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GF060700GR2490	Sulfate	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2401	Bromide	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2401	Chloride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2401	Fluoride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2401	Sulfate	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2490	Bromide	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2490	Chloride	J	IWQ1	The sample temperature was elevated

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	General Inorganic	EPA:300	GU060700GR2490	Fluoride	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:300	GU060700GR2490	Sulfate	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GF060700GR2401	Alkalinity-CO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GF060700GR2401	Alkalinity-CO3+HCO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GF060700GR2490	Alkalinity-CO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GF060700GR2490	Alkalinity-CO3+HCO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GU060700GR2401	Alkalinity-CO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GU060700GR2401	Alkalinity-CO3+HCO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GU060700GR2490	Alkalinity-CO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:310.1	GU060700GR2490	Alkalinity-CO3+HCO3	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:314.0	GF060700GR2401	Perchlorate	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:314.0	GF060700GR2490	Perchlorate	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:335.3	GF060700GR2401	Cyanide (Total)	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:335.3	GF060700GR2401	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:335.3	GF060700GR2490	Cyanide (Total)	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:335.3	GF060700GR2490	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:335.3	GU060700GR2401	Cyanide (Total)	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:335.3	GU060700GR2401	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:335.3	GU060700GR2490	Cyanide (Total)	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:335.3	GU060700GR2490	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:350.1	GF060700GR2401	Ammonia as Nitrogen	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:350.1	GF060700GR2401	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168165	General Inorganic	EPA:350.1	GF060700GR2490	Ammonia as Nitrogen	J	IWQ1	The sample temperature was elevated

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	General Inorganic	EPA:350.1	GF060700GR2490	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168165	General Inorganic	EPA:350.1	GU060700GR2401	Ammonia as Nitrogen	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:350.1	GU060700GR2401	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168165	General Inorganic	EPA:350.1	GU060700GR2490	Ammonia as Nitrogen	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:350.1	GU060700GR2490	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168165	General Inorganic	EPA:351.2	GF060700GR2401	Total Kjeldahl Nitrogen	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:351.2	GF060700GR2401	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:351.2	GF060700GR2490	Total Kjeldahl Nitrogen	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:351.2	GF060700GR2490	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:351.2	GU060700GR2401	Total Kjeldahl Nitrogen	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:351.2	GU060700GR2401	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:351.2	GU060700GR2490	Total Kjeldahl Nitrogen	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:351.2	GU060700GR2490	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:353.1	GF060700GR2401	Nitrate-Nitrite as N	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:353.1	GF060700GR2490	Nitrate-Nitrite as N	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:353.1	GU060700GR2401	Nitrate-Nitrite as N	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:353.1	GU060700GR2490	Nitrate-Nitrite as N	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:365.4	GF060700GR2401	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168165	General Inorganic	EPA:365.4	GF060700GR2401	Total Phosphate as Phosphorus	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:365.4	GF060700GR2401	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:365.4	GF060700GR2490	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	General Inorganic	EPA:365.4	GF060700GR2490	Total Phosphate as Phosphorus	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:365.4	GF060700GR2490	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:365.4	GU060700GR2401	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168165	General Inorganic	EPA:365.4	GU060700GR2401	Total Phosphate as Phosphorus	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:365.4	GU060700GR2401	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:365.4	GU060700GR2490	Total Phosphate as Phosphorus	R	IWQ6	Non-specified quality control failure - see validation report
168165	General Inorganic	EPA:365.4	GU060700GR2490	Total Phosphate as Phosphorus	UJ	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:365.4	GU060700GR2490	Total Phosphate as Phosphorus	UJ	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:410.4	GU060700GR2401	Chemical Oxygen Demand	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	EPA:410.4	GU060700GR2401	Chemical Oxygen Demand	JN-	IWQ2	Negative blank samples results were greater than the MDL
168165	General Inorganic	EPA:410.4	GU060700GR2490	Chemical Oxygen Demand	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	SW846 6850 Modified	GF060700GR2401	Perchlorate	J	LP3	Sample not maintained at required temperature
168165	General Inorganic	SW846 6850 Modified	GF060700GR2490	Perchlorate	J	LP3	Sample not maintained at required temperature
168165	General Inorganic	SW-846:9060	GU060700GR2401	Total Organic Carbon	J	IWQ1	The sample temperature was elevated
168165	General Inorganic	SW-846:9060	GU060700GR2490	Total Organic Carbon	J	IWQ1	The sample temperature was elevated
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	2,4-Diamino-6-nitrotoluene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	2,4-Diamino-6-nitrotoluene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	2,6-Diamino-4-nitrotoluene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	2,6-Diamino-4-nitrotoluene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	3,5-dinitroaniline	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	3,5-dinitroaniline	UJ	LP3	Sample not maintained at required temperature

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Amino-2,6-dinitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Amino-2,6-dinitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Amino-4,6-dinitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Amino-4,6-dinitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrobenzene[1,3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrobenzene[1,3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrotoluene[2,4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrotoluene[2,4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrotoluene[2,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Dinitrotoluene[2,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	HMX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	HMX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrobenzene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrobenzene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[3-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Nitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	PETN	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	PETN	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	RDX	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	RDX	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	TATB	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	TATB	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tetryl	UJ	LL3	The LCS %R failed low.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tetryl	UJ	LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tetryl	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tetryl	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Trinitrobenzene[1,3,5-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Trinitrobenzene[1,3,5-]	UJ	LP3	Sample not maintained at required temperature

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Trinitrotoluene[2,4,6-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Trinitrotoluene[2,4,6-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tri-o-cresylphosphate (TOCP)	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2401	Tri-o-cresylphosphate (TOCP)	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	2,4-Diamino-6-nitrotoluene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	2,4-Diamino-6-nitrotoluene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	2,6-Diamino-4-nitrotoluene	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	2,6-Diamino-4-nitrotoluene	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	3,5-dinitroaniline	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	3,5-dinitroaniline	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Amino-2,6-dinitrotoluene[4-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Amino-2,6-dinitrotoluene[4-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Amino-4,6-dinitrotoluene[2-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Amino-4,6-dinitrotoluene[2-]	UJ	LP3	Sample not maintained at required temperature
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrobenzene[1,3-]	UJ	LMS1	An applicable MS/MSD analysis was not performed.
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrobenzene[1,3-]	UJ	LP3	Sample not maintained at required temperature

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	High Explosives	SW-846:8321A_MOD	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	LMS1 An applicable MS/MSD analysis was not performed.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2401	Toxaphene (Technical Grade)	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Aldrin	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Aldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	BHC[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	BHC[beta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	BHC[delta-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	BHC[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Chlordane[alpha-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Chlordane[gamma-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	DDD[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	DDE[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	DDT[4,4'-]	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Dieldrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endosulfan I	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endosulfan II	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endosulfan Sulfate	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endrin	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endrin Aldehyde	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Endrin Ketone	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Heptachlor	UJ	PWQ2 Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Heptachlor	UJ	PWQ7 The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Heptachlor Epoxide	UJ	PWQ7 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Methoxychlor[4,4'-]	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8081A	GU060700GR2490	Toxaphene (Technical Grade)	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1016	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1016	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1221	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1221	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1232	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1232	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1242	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1242	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1248	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1248	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1254	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1254	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1260	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1260	UJ	PWQ7	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1262	UJ	P3c	The result is less than the EQL and the surrogate %R value is greater than10 % but less than the LAL, which indicates a potential for false negative results being reported.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2401	Aroclor-1262	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1016	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1221	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1232	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1242	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1248	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1254	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1260	UJ	PWQ7	The sample was improperly preserved.
168165	Pesticides PCBs	SW-846:8082	GU060700GR2490	Aroclor-1262	UJ	PWQ7	The sample was improperly preserved.
168165	Radionuclides	EPA:900	GF060700GR2401	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168165	Radionuclides	EPA:900	GF060700GR2401	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:900	GF060700GR2401	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:900	GF060700GR2490	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:900	GF060700GR2490	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168165	Radionuclides	EPA:900	GF060700GR2490	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:900	GU060700GR2401	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168165	Radionuclides	EPA:900	GU060700GR2401	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:900	GU060700GR2401	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:900	GU060700GR2490	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:900	GU060700GR2490	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168165	Radionuclides	EPA:900	GU060700GR2490	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168165	Radionuclides	EPA:901.1	GF060700GR2401	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2401	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	Radionuclides	EPA:901.1	GF060700GR2401	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2401	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2401	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2401	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GF060700GR2490	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2401	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Cesium-137	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Cobalt-60	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Gross gamma	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Neptunium-237	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Potassium-40	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:901.1	GU060700GR2490	Sodium-22	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:905.0	GF060700GR2401	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:905.0	GF060700GR2490	Strontium-90	U	R5 Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	Radionuclides	EPA:905.0	GU060700GR2401	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	EPA:905.0	GU060700GR2490	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:AM-241	GF060700GR2401	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:AM-241	GF060700GR2490	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:AM-241	GU060700GR2401	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:AM-241	GU060700GR2490	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GF060700GR2401	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GF060700GR2401	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GF060700GR2490	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GF060700GR2490	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GU060700GR2401	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GU060700GR2401	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GU060700GR2490	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOPU	GU060700GR2490	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOU	GF060700GR2401	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOU	GF060700GR2490	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOU	GU060700GR2401	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOU	GU060700GR2490	Uranium-234	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168165	Radionuclides	HASL-300:ISOU	GU060700GR2490	Uranium-235/236	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
168165	Radionuclides	HASL-300:ISOU	GU060700GR2490	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168165	Radionuclides	HASL-300:ISOU	GU060700GR2490	Uranium-238	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168165	SVOA	SW-846:8260B	GU060700GR2401	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	SVOA	SW-846:8260B	GU060700GR2401	Butanol[1-]	R	VWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8260B	GU060700GR2401	Diethyl Ether	R	VWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8260B	GU060700GR2490	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8260B	GU060700GR2490	Butanol[1-]	R	VWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8260B	GU060700GR2490	Diethyl Ether	R	VWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Acenaphthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Acenaphthylene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Aniline	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Atrazine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Azobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	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.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzidine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzo(a)anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzo(a)pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzo(b)fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzo(g,h,i)perylene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzo(k)fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzoic Acid	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Benzyl Alcohol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Bis(2-chloroethoxy)methane	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Bis(2-chloroethyl)ether	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Bis(2-ethylhexyl)phthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Bromophenyl-phenylether[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Butylbenzylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chloro-3-methylphenol[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chloroaniline[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chloronaphthalene[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chlorophenol[2-]	UJ	SWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2401	Chlorophenyl-phenyl[4-] Ether	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Chrysene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dibenz(a,h)anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dibenzofuran	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorobenzene[1,2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorobenzene[1,3-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorobenzene[1,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorobenzidine[3,3'-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dichlorophenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Diethylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dimethyl Phthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dimethylphenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Di-n-butylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinitro-2-methylphenol[4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinitrophenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinitrotoluene[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinitrotoluene[2,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Di-n-octylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dinoseb	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Dioxane[1,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Diphenylamine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Fluorene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Hexachlorobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Hexachlorobutadiene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Hexachlorocyclopentadiene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Hexachloroethane	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Indeno(1,2,3-cd)pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Isophorone	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Methylnaphthalene[1-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Methylnaphthalene[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Methylphenol[2-]	UJ	SWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2401	Methylphenol[3-,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Naphthalene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[3-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroaniline[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrophenol[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrophenol[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrosodiethylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrosodimethylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroso-di-n-butylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitroso-di-n-propylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Nitrosopyrrolidine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Oxybis(1-chloropropane)[2,2'-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2401	Pentachlorobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Pentachlorophenol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168165	SVOA	SW-846:8270C	GU060700GR2401	Phenanthrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Phenol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2401	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	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.
168165	SVOA	SW-846:8270C	GU060700GR2401	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Trichlorobenzene[1,2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Trichlorophenol[2,4,5-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2401	Trichlorophenol[2,4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Acenaphthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Acenaphthylene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Aniline	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Atrazine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Azobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	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.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzidine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzo(a)anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzo(a)pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzo(b)fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzo(g,h,i)perylene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzo(k)fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzoic Acid	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Benzyl Alcohol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Bis(2-chloroethoxy)methane	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Bis(2-chloroethyl)ether	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Bis(2-ethylhexyl)phthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Bromophenyl-phenylether[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Butylbenzylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chloro-3-methylphenol[4-]	UJ	SWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2490	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chloroaniline[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chloronaphthalene[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chlorophenol[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chlorophenyl-phenyl[4-] Ether	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Chrysene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dibenz(a,h)anthracene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dibenzofuran	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorobenzene[1,2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorobenzene[1,3-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorobenzene[1,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorobenzidine[3,3'-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dichlorophenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Diethylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dimethyl Phthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dimethylphenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Di-n-butylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinitro-2-methylphenol[4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinitrophenol[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinitrotoluene[2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinitrotoluene[2,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Di-n-octylphthalate	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dinoseb	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Dioxane[1,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Diphenylamine	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Fluoranthene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Fluorene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Hexachlorobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Hexachlorobutadiene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Hexachlorocyclopentadiene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Hexachloroethane	UJ	SWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2490	Indeno(1,2,3-cd)pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Isophorone	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Methylnaphthalene[1-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Methylnaphthalene[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Methylphenol[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Methylphenol[3-,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Naphthalene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[3-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroaniline[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrophenol[2-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrophenol[4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrosodiethylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrosodimethylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroso-di-n-butylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitroso-di-n-propylamine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Nitrosopyrrolidine[N-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Oxybis(1-chloropropane)[2,2'-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Pentachlorobenzene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Pentachlorophenol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	SVOA	SW-846:8270C	GU060700GR2490	Phenanthrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Phenol	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Pyrene	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168165	SVOA	SW-846:8270C	GU060700GR2490	Tetrachlorobenzene[1,2,4,5-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	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.
168165	SVOA	SW-846:8270C	GU060700GR2490	Tetrachlorophenol[2,3,4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Trichlorobenzene[1,2,4-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Trichlorophenol[2,4,5-]	UJ	SWQ6	The sample was improperly preserved.
168165	SVOA	SW-846:8270C	GU060700GR2490	Trichlorophenol[2,4,6-]	UJ	SWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Acetone	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Acetonitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2401	Acrolein	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Acrylonitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Benzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Acrylonitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Benzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Bromobenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Bromochloromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Bromodichloromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Bromoform	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Bromomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Butanone[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Butylbenzene[n-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Butylbenzene[sec-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Butylbenzene[tert-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Carbon Disulfide	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Carbon Tetrachloride	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloro-1,3-butadiene[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloro-1-propene[3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chlorobenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chlorodibromomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloroethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloroethyl vinyl ether[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloroform	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chloromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Chlorotoluene[2-]	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	VOA	SW-846:8260B	GU060700GR2401	Chlorotoluene[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dibromo-3-Chloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dibromoethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dibromomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichlorobenzene[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichlorobenzene[1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichlorobenzene[1,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichlorodifluoromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloroethane[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloroethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloroethene[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloroethene[cis-1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloroethene[trans-1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropane[1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropane[2,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[cis/trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[cis-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[cis/trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[cis-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dichloropropene[trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2401	Dioxane[1,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Ethyl Methacrylate	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Ethylbenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Hexachlorobutadiene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Hexanone[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Iodomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Isopropylbenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Isopropyltoluene[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methacrylonitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methyl Methacrylate	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methyl tert-Butyl Ether	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methyl-1-propanol[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2401	Methyl-2-pentanone[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Methylene Chloride	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Naphthalene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Propionitrile	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168165	VOA	SW-846:8260B	GU060700GR2401	Propylbenzene[1-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Styrene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Tetrachloroethane[1,1,1,2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Tetrachloroethane[1,1,2,2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Tetrachloroethene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Toluene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichloro-1,2,2-trifluoroethane[1,1,2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichlorobenzene[1,2,3-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichlorobenzene[1,2,4-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichloroethane[1,1,1-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichloroethane[1,1,2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichloroethene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichlorofluoromethane	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trichloropropane[1,2,3-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trimethylbenzene[1,2,4-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Trimethylbenzene[1,3,5-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Vinyl acetate	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Vinyl Chloride	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Xylene[1,2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2401	Xylene[1,3-]+Xylene[1,4-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Acetone	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Acetonitrile	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Acetonitrile	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2490	Acrolein	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Acrylonitrile	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Benzene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Bromobenzene	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Bromochloromethane	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Bromodichloromethane	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Bromoform	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Bromomethane	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Butanone[2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Butylbenzene[n-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Butylbenzene[sec-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Butylbenzene[tert-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Carbon Disulfide	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Carbon Tetrachloride	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloro-1,3-butadiene[2-]	R	VWQ6 The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloro-1-propene[3-]	R	VWQ6 The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	VOA	SW-846:8260B	GU060700GR2490	Chlorobenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chlorodibromomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloroethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloroethyl vinyl ether[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloroform	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chloromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chlorotoluene[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Chlorotoluene[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dibromo-3-Chloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dibromoethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dibromomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichlorobenzene[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichlorobenzene[1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichlorobenzene[1,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichlorodifluoromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethane[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethene[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethene[cis-1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethene[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethene[cis-1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloroethene[trans-1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropane[1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropane[2,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropene[1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropene[cis/trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropene[cis-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dichloropropene[trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2490	Dioxane[1,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Ethyl Methacrylate	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Ethylbenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Hexachlorobutadiene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Hexanone[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Iodomethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Isopropylbenzene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Isopropyltoluene[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Methacrylonitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Methyl Methacrylate	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Methyl tert-Butyl Ether	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168165	VOA	SW-846:8260B	GU060700GR2490	Methyl-1-propanol[2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168165	VOA	SW-846:8260B	GU060700GR2490	Methyl-2-pentanone[4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Methylene Chloride	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Naphthalene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Propionitrile	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Propylbenzene[1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Styrene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Tetrachloroethane[1,1,1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Tetrachloroethane[1,1,2,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Tetrachloroethene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Toluene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichloro-1,2,2-trifluoroethane[1,1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichlorobenzene[1,2,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichlorobenzene[1,2,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichloroethane[1,1,1-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichloroethane[1,1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichloroethene	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichlorofluoromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichlorofluoromethane	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trichloropropane[1,2,3-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trimethylbenzene[1,2,4-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Trimethylbenzene[1,3,5-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Vinyl acetate	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Vinyl Chloride	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Xylene[1,2-]	R	VWQ6	The sample was improperly preserved.
168165	VOA	SW-846:8260B	GU060700GR2490	Xylene[1,3-]+Xylene[1,4-]	R	VWQ6	The sample was improperly preserved.
168166	SVOA	SW-846:8260B	GU060700GR2401-FTB	Butanol[1-]	R	VWQ6	The sample was improperly preserved.
168166	SVOA	SW-846:8260B	GU060700GR2401-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	SVOA	SW-846:8260B	GU060700GR2401-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168166	SVOA	SW-846:8260B	GU060700GR2401-FTB	Diethyl Ether	R	VWQ6	The sample was improperly preserved.
168166	SVOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acetone	J	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acetone	J+	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acetonitrile	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acrolein	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acrylonitrile	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Benzene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromobenzene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromochloromethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromodichloromethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromoform	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromoform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromomethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Bromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butanone[2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butanone[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[n-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[n-]	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	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[sec-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[sec-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[tert-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Butylbenzene[tert-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Carbon Disulfide	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Carbon Disulfide	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Carbon Tetrachloride	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Carbon Tetrachloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloro-1,3-butadiene[2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloro-1,3-butadiene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloro-1-propene[3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloro-1-propene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorobenzene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorodibromomethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorodibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloroethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloroethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloroform	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloroform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloromethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorotoluene[2-]	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorotoluene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorotoluene[4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Chlorotoluene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromo-3-Chloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromo-3-Chloropropane[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromoethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromoethane[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromomethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[1,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[1,4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorobenzene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorodifluoromethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichlorodifluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethane[1,1-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethane[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethane[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[1,1-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[1,1-]	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	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[cis-1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[cis-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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[trans-1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloroethene[trans-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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[1,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[2,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[1,1-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[cis/trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[cis-1,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[trans-1,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dioxane[1,4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dioxane[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Ethyl Methacrylate	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Ethylbenzene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Hexachlorobutadiene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Hexanone[2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Hexanone[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Iodomethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Isopropylbenzene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Isopropyltoluene[4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Isopropyltoluene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methacrylonitrile	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl Methacrylate	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl tert-Butyl Ether	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl tert-Butyl 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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl-1-propanol[2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl-1-propanol[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl-2-pentanone[4-]	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methyl-2-pentanone[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methylene Chloride	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Methylene 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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Naphthalene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Propionitrile	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Propylbenzene[1-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Styrene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethane[1,1,1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethane[1,1,2,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Toluene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichlorobenzene[1,2,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichlorobenzene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichlorobenzene[1,2,4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichlorobenzene[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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloroethane[1,1,1-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloroethane[1,1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloroethene	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichlorofluoromethane	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trichloropropane[1,2,3-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trimethylbenzene[1,2,4-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Trimethylbenzene[1,3,5-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Vinyl acetate	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Vinyl Chloride	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Xylene[1,2-]	R	VWQ6	The sample was improperly preserved.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	Xylene[1,3-]+Xylene[1,4-]	R	VWQ6	The sample was improperly preserved.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168166	VOA	SW-846:8260B	GU060700GR2401-FTB	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.
168313	General Inorganic	EPA:150.1	GF060700P06001	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 includ
168313	General Inorganic	EPA:150.1	GF060700P06090	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 includ
168313	General Inorganic	EPA:150.1	GF060700P3LP01	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 includ
168313	General Inorganic	EPA:150.1	GU060700P06001	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 includ
168313	General Inorganic	EPA:150.1	GU060700P06090	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 includ
168313	General Inorganic	EPA:150.1	GU060700P3LP01	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 includ
168313	General Inorganic	EPA:300	GF060700P06001	Sulfate	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.
168313	General Inorganic	EPA:300	GF060700P06090	Sulfate	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	General Inorganic	EPA:300	GF060700P3LP01	Sulfate	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.
168313	General Inorganic	EPA:300	GU060700P06001	Sulfate	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.
168313	General Inorganic	EPA:300	GU060700P06090	Sulfate	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.
168313	General Inorganic	EPA:300	GU060700P3LP01	Sulfate	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.
168313	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:350.1	GF060700P3LP01	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GU060700P06001	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GU060700P06001	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GU060700P06090	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GU060700P06090	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:350.1	GU060700P3LP01	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:351.2	GF060700P06090	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:351.2	GF060700P06090	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:351.2	GF060700P3LP01	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:351.2	GU060700P06001	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:351.2	GU060700P06090	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:351.2	GU060700P3LP01	Total Kjeldahl Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GF060700P06001	Nitrate-Nitrite as N	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GF060700P06001	Nitrate-Nitrite as N	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GF060700P06001	Nitrate-Nitrite as N	R	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:353.1	GF060700P06090	Nitrate-Nitrite as N	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GF060700P06090	Nitrate-Nitrite as N	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GF060700P3LP01	Nitrate-Nitrite as N	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.
168313	General Inorganic	EPA:353.1	GF060700P3LP01	Nitrate-Nitrite as N	JN-	IWQ2	Negative blank samples results were greater than the MDL
168313	General Inorganic	EPA:353.1	GU060700P06001	Nitrate-Nitrite as N	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.
168313	General Inorganic	EPA:353.1	GU060700P06090	Nitrate-Nitrite as N	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GU060700P06090	Nitrate-Nitrite as N	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:353.1	GU060700P3LP01	Nitrate-Nitrite as N	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.
168313	General Inorganic	EPA:353.1	GU060700P3LP01	Nitrate-Nitrite as N	JN-	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	General Inorganic	EPA:365.4	GF060700P06001	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:365.4	GF060700P06001	Total Phosphate as Phosphorus	J	IWQ6	Non-specified quality control failure - see validation report
168313	General Inorganic	EPA:365.4	GF060700P06090	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:365.4	GF060700P3LP01	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:365.4	GU060700P06001	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:365.4	GU060700P06090	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	General Inorganic	EPA:365.4	GU060700P3LP01	Total Phosphate as Phosphorus	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168313	Metals	SW-846:6010B	GF060700P06001	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GF060700P06001	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GF060700P06090	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GF060700P06090	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GF060700P3LP01	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GF060700P3LP01	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168313	Metals	SW-846:6010B	GU060700P06001	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GU060700P06001	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168313	Metals	SW-846:6010B	GU060700P06090	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GU060700P06090	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	Metals	SW-846:6010B	GU060700P3LP01	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6010B	GU060700P3LP01	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168313	Metals	SW-846:6020	GF060700P06001	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GF060700P06001	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GF060700P06090	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GF060700P3LP01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GF060700P3LP01	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GU060700P06001	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GU060700P06090	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GU060700P3LP01	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Metals	SW-846:6020	GU060700P3LP01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168313	Pesticides PCBs	SW-846:8081A	GU060700P06001	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P06001	BHC[beta-]	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	Pesticides PCBs	SW-846:8081A	GU060700P06001	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P06090	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P06090	BHC[beta-]	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P06090	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P3LP01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P3LP01	BHC[beta-]	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168313	Pesticides PCBs	SW-846:8081A	GU060700P3LP01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168313	Radionuclides	EPA:900	GF060700P06001	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168313	Radionuclides	EPA:900	GF060700P06001	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:900	GF060700P06090	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168313	Radionuclides	EPA:900	GF060700P06090	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:900	GF060700P3LP01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168313	Radionuclides	EPA:900	GF060700P3LP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:900	GU060700P06001	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168313	Radionuclides	EPA:900	GU060700P06001	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:900	GU060700P06090	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168313	Radionuclides	EPA:900	GU060700P06090	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:900	GU060700P3LP01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	EPA:900	GU060700P3LP01	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168313	Radionuclides	EPA:901.1	GF060700P06001	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06001	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	Radionuclides	EPA:901.1	GF060700P06001	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06001	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06001	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06001	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P06090	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GF060700P3LP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06001	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06001	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06001	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06001	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06001	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168313	Radionuclides	EPA:901.1	GU060700P06001	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06090	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06090	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	Radionuclides	EPA:901.1	GU060700P06090	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06090	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06090	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P06090	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:901.1	GU060700P3LP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GF060700P06001	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GF060700P06090	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GF060700P06090	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GF060700P3LP01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GU060700P06001	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GU060700P06090	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	EPA:905.0	GU060700P3LP01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GF060700P06001	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GF060700P06090	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GF060700P3LP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GU060700P06001	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GU060700P06090	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:AM-241	GU060700P3LP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GF060700P06001	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GF060700P06001	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	Radionuclides	HASL-300:ISOPU	GF060700P06090	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GF060700P06090	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOPU	GF060700P3LP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GF060700P3LP01	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOPU	GU060700P06001	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GU060700P06001	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOPU	GU060700P06090	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOPU	GU060700P06090	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOPU	GU060700P3LP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GF060700P06001	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GF060700P06001	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOU	GF060700P06090	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GF060700P06090	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOU	GF060700P3LP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GU060700P06001	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GU060700P06001	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOU	GU060700P06090	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	Radionuclides	HASL-300:ISOU	GU060700P06090	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168313	Radionuclides	HASL-300:ISOU	GU060700P3LP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168313	SVOA	SW-846:8270C	GU060700P06001	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06001	Benzoic Acid	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Benzoic Acid	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Chloro-3-methylphenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Chloro-3-methylphenol[4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06001	Chloro-3-methylphenol[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.
168313	SVOA	SW-846:8270C	GU060700P06001	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Chlorophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Chlorophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorobenzene[1,2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorobenzene[1,3-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorobenzene[1,4-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Dichlorophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dimethylphenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06001	Dimethylphenol[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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinitro-2-methylphenol[4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinitro-2-methylphenol[4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinitrophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinoseb	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Dinoseb	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[3-,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[3-,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06001	Methylphenol[3-,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.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrophenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	Pentachlorophenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	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	
168313	SVOA	SW-846:8270C	GU060700P06001	Phenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Phenol	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06001	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Tetrachlorophenol[2,3,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Tetrachlorophenol[2,3,4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Trichlorophenol[2,4,5-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Trichlorophenol[2,4,5-]	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.
168313	SVOA	SW-846:8270C	GU060700P06001	Trichlorophenol[2,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06001	Trichlorophenol[2,4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06090	Benzoic Acid	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Benzoic Acid	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Chloro-3-methylphenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Chloro-3-methylphenol[4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06090	Chloro-3-methylphenol[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.
168313	SVOA	SW-846:8270C	GU060700P06090	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Chlorophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Chlorophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorobenzene[1,2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorobenzene[1,3-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorobenzene[1,4-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Dichlorophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dimethylphenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06090	Dimethylphenol[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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinitro-2-methylphenol[4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinitro-2-methylphenol[4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinitrophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinoseb	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Dinoseb	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[3-,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[3-,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P06090	Methylphenol[3-,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.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrophenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	Pentachlorophenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	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	
168313	SVOA	SW-846:8270C	GU060700P06090	Phenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Phenol	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P06090	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Tetrachlorophenol[2,3,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Tetrachlorophenol[2,3,4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Trichlorophenol[2,4,5-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Trichlorophenol[2,4,5-]	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.
168313	SVOA	SW-846:8270C	GU060700P06090	Trichlorophenol[2,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P06090	Trichlorophenol[2,4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P3LP01	Benzoic Acid	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Benzoic Acid	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Chloro-3-methylphenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Chloro-3-methylphenol[4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Chloro-3-methylphenol[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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Chlorophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Chlorophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorobenzene[1,2-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorobenzene[1,3-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorobenzene[1,4-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dichlorophenol[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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dimethylphenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dimethylphenol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinitro-2-methylphenol[4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinitro-2-methylphenol[4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinitrophenol[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinoseb	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dinoseb	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[3-,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[3-,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Methylphenol[3-,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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrophenol[2-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrophenol[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrophenol[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrophenol[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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Pentachlorophenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Phenol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	SVOA	SW-846:8270C	GU060700P3LP01	Phenol	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168313	SVOA	SW-846:8270C	GU060700P3LP01	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Tetrachlorophenol[2,3,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Tetrachlorophenol[2,3,4,6-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Trichlorophenol[2,4,5-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Trichlorophenol[2,4,5-]	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.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Trichlorophenol[2,4,6-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168313	SVOA	SW-846:8270C	GU060700P3LP01	Trichlorophenol[2,4,6-]	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.
168313	VOA	SW-846:8260B	GU060700P06001	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06001	Chloroform	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 contami
168313	VOA	SW-846:8260B	GU060700P06001	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06001	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06001-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168313	VOA	SW-846:8260B	GU060700P06001-FTB	Chloroform	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 contami
168313	VOA	SW-846:8260B	GU060700P06001-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06001-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06090	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06090	Chloroform	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 contami
168313	VOA	SW-846:8260B	GU060700P06090	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P06090	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P3LP01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P3LP01	Chloroform	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 contami
168313	VOA	SW-846:8260B	GU060700P3LP01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P3LP01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P3LP01-FTB	Chloroform	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 contami
168313	VOA	SW-846:8260B	GU060700P3LP01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168313	VOA	SW-846:8260B	GU060700P3LP01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168374	General Inorganic	EPA:150.1	GF06070GLA0301	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 includ
168374	General Inorganic	EPA:150.1	GU06070GLA0301	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 includ
168374	General Inorganic	EPA:335.3	GF06070GLA0301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168374	General Inorganic	EPA:335.3	GU06070GLA0301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168374	General Inorganic	EPA:350.1	GF06070GLA0301	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	General Inorganic	EPA:350.1	GU06070GLA0301	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	General Inorganic	EPA:365.4	GF06070GLA0301	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168374	General Inorganic	EPA:365.4	GF06070GLA0301	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	General Inorganic	EPA:365.4	GU06070GLA0301	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168374	General Inorganic	EPA:365.4	GU06070GLA0301	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	General Inorganic	SW-846:6010B	GF06070GLA0301	Silicon Dioxide	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.
168374	General Inorganic	SW-846:6010B	GF06070GLA0301	Sodium	J	IWQ6	Non-specified quality control failure - see validation report
168374	General Inorganic	SW-846:6010B	GU06070GLA0301	Silicon Dioxide	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168374	General Inorganic	SW-846:6010B	GU06070GLA0301	Sodium	J	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GF06070GLA0301	Aluminum	J	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GF06070GLA0301	Aluminum	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	Metals	SW-846:6010B	GF06070GLA0301	Barium	J	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GF06070GLA0301	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	Metals	SW-846:6010B	GF06070GLA0301	Strontium	J	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GU06070GLA0301	Aluminum	UJ	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GU06070GLA0301	Barium	J	IWQ6	Non-specified quality control failure - see validation report
168374	Metals	SW-846:6010B	GU06070GLA0301	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168374	Metals	SW-846:6010B	GU06070GLA0301	Strontium	J	IWQ6	Non-specified quality control failure - see validation report
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Aldrin	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	BHC[alpha-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	BHC[beta-]	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	BHC[delta-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	BHC[gamma-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Chlordane[alpha-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Chlordane[gamma-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	DDD[4,4'-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	DDE[4,4'-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	DDT[4,4'-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Dieldrin	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endosulfan I	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endosulfan II	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endosulfan Sulfate	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endrin	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endrin Aldehyde	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Endrin Ketone	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Heptachlor	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Heptachlor Epoxide	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Methoxychlor[4,4'-]	UJ	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,
168374	Pesticides PCBs	SW-846:8081A	GU06070GLA0301	Toxaphene (Technical Grade)	UJ	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,
168374	Radionuclides	EPA:900	GF06070GLA0301	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	EPA:900	GF06070GLA0301	Gross beta	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168374	Radionuclides	EPA:900	GF06070GLA0301	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	EPA:900	GU06070GLA0301	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:900	GU06070GLA0301	Gross beta	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168374	Radionuclides	EPA:900	GU06070GLA0301	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GF06070GLA0301	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:901.1	GU06070GLA0301	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	EPA:905.0	GF06070GLA0301	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168374	Radionuclides	EPA:905.0	GU06070GLA0301	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:AM-241	GF06070GLA0301	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:AM-241	GU06070GLA0301	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOPU	GF06070GLA0301	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOPU	GF06070GLA0301	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	HASL-300:ISOPU	GU06070GLA0301	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOU	GF06070GLA0301	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	HASL-300:ISOU	GF06070GLA0301	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOU	GF06070GLA0301	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOU	GU06070GLA0301	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168374	Radionuclides	HASL-300:ISOU	GU06070GLA0301	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168374	Radionuclides	HASL-300:ISOU	GU06070GLA0301	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	General Inorganic	EPA:150.1	GF060700G09R01	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 includ
168378	General Inorganic	EPA:150.1	GF060700G09R90	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 includ
168378	General Inorganic	EPA:150.1	GF06070LAOI701	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 includ
168378	General Inorganic	EPA:150.1	GF06070LAOI790	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	General Inorganic	EPA:150.1	GU060700G09R01	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 includ
168378	General Inorganic	EPA:150.1	GU060700G09R01-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 includ
168378	General Inorganic	EPA:150.1	GU060700G09R90	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 includ
168378	General Inorganic	EPA:150.1	GU06070LAOI701	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 includ
168378	General Inorganic	EPA:150.1	GU06070LAOI790	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 includ
168378	General Inorganic	EPA:335.3	GF060700G09R01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:350.1	GF060700G09R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GF060700G09R90	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GF06070LAOI701	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GF06070LAOI790	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	General Inorganic	EPA:350.1	GU060700G09R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GU060700G09R01-FB	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GU060700G09R90	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GU06070LAOI701	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:350.1	GU06070LAOI790	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:351.2	GF060700G09R01	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:351.2	GF060700G09R90	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:351.2	GF06070LAOI701	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:351.2	GF06070LAOI790	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:351.2	GU060700G09R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:351.2	GU060700G09R01-FB	Total Kjeldahl Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:351.2	GU060700G09R90	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:351.2	GU06070LAOI701	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:353.1	GU060700G09R01-FB	Nitrate-Nitrite as N	UJ	IWQ2	Negative blank samples results were greater than the MDL
168378	General Inorganic	EPA:365.4	GF060700G09R01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	General Inorganic	EPA:365.4	GF060700G09R90	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GF06070LAOI701	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GF06070LAOI790	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GU060700G09R01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GU060700G09R01-FB	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GU060700G09R90	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GU06070LAOI701	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:365.4	GU06070LAOI790	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:410.4	GU060700G09R01	Chemical Oxygen Demand	J+	IWQ6	Non-specified quality control failure - see validation report
168378	General Inorganic	EPA:410.4	GU060700G09R01-FB	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:410.4	GU060700G09R90	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	EPA:410.4	GU06070GLA0302	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	General Inorganic	EPA:410.4	GU06070LAOI790	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	SW-846:6010B	GF060700G09R01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GF060700G09R90	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GF06070LAOI701	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GF06070LAOI790	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GU060700G09R01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GU060700G09R01-FB	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GU060700G09R01-FB	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
168378	General Inorganic	SW-846:6010B	GU060700G09R01-FB	Silicon Dioxide	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	SW-846:6010B	GU060700G09R01-FB	Sodium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	SW-846:6010B	GU060700G09R90	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GU06070LAOI701	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:6010B	GU06070LAOI790	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168378	General Inorganic	SW-846:9060	GU060700G09R01	Total Organic Carbon	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	General Inorganic	SW-846:9060	GU060700G09R90	Total Organic Carbon	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GF060700G09R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GF06070LAOI701	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Metals	SW-846:6010B	GF06070LAOI790	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GU060700G09R01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GU060700G09R01-FB	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GU060700G09R90	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6010B	GU06070LAOI701	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168378	Metals	SW-846:6010B	GU06070LAOI790	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168378	Metals	SW-846:6020	GF060700G09R01	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6020	GF06070LAOI701	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6020	GF06070LAOI790	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6020	GU060700G09R90	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6020	GU06070LAOI701	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168378	Metals	SW-846:6020	GU06070LAOI790	Uranium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Aldrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	BHC[alpha-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	BHC[beta-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	BHC[delta-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	BHC[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Chlordane[alpha-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Chlordane[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	DDD[4,4'-]	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	DDE[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	DDT[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Dieldrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endosulfan I	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endosulfan II	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endosulfan Sulfate	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endrin Aldehyde	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Endrin Ketone	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Heptachlor	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Heptachlor Epoxide	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Methoxychlor[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01	Toxaphene (Technical Grade)	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Aldrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	BHC[alpha-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	BHC[beta-]	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	BHC[delta-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	BHC[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Chlordane[alpha-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Chlordane[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	DDD[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	DDE[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	DDT[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Dieldrin	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endosulfan I	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endosulfan II	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endosulfan Sulfate	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endrin Aldehyde	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Endrin Ketone	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Heptachlor	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Heptachlor Epoxide	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Methoxychlor[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R01-FB	Toxaphene (Technical Grade)	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Aldrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	BHC[alpha-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	BHC[beta-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	BHC[delta-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	BHC[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Chlordane[alpha-]	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Chlordane[gamma-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	DDD[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	DDE[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	DDT[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Dieldrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endosulfan I	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endosulfan II	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endosulfan Sulfate	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endrin	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endrin Aldehyde	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Endrin Ketone	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Heptachlor	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Heptachlor Epoxide	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Methoxychlor[4,4'-]	UJ	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,
168378	Pesticides PCBs	SW-846:8081A	GU060700G09R90	Toxaphene (Technical Grade)	UJ	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,
168378	Radionuclides	EPA:900	GF060700G09R01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GF060700G09R01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GF060700G09R90	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GF060700G09R90	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GF06070LAOI701	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	EPA:900	GF06070LAOI701	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GF06070LAOI790	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GF06070LAOI790	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GU060700G09R01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168378	Radionuclides	EPA:900	GU060700G09R01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GU060700G09R01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GU060700G09R01-FB	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GU060700G09R01-FB	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GU060700G09R90	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168378	Radionuclides	EPA:900	GU060700G09R90	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GU060700G09R90	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GU06070LAOI701	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GU06070LAOI701	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:900	GU06070LAOI790	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:900	GU06070LAOI790	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	EPA:901.1	GF060700G09R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R90	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R90	Cobalt-60	R	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	EPA:901.1	GF060700G09R90	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R90	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R90	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF060700G09R90	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI701	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Cesium-137	R	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GF06070LAOI790	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01	Sodium-22	R	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R01-FB	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	EPA:901.1	GU060700G09R90	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R90	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R90	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R90	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU060700G09R90	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	EPA:901.1	GU060700G09R90	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI701	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:901.1	GU06070LAOI790	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GF060700G09R01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GF060700G09R90	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GF06070LAOI701	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GF06070LAOI790	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GU060700G09R01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GU060700G09R01-FB	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	EPA:905.0	GU060700G09R90	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GU06070LAOI701	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	EPA:905.0	GU06070LAOI790	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GF060700G09R01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GF060700G09R90	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GF06070LAOI701	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GF06070LAOI790	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GU060700G09R01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GU060700G09R01-FB	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GU060700G09R90	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GU06070LAOI701	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:AM-241	GU06070LAOI790	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R01	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R90	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R90	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GF060700G09R90	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI701	Plutonium-238	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI701	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI701	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI790	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI790	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GF06070LAOI790	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01-FB	Plutonium-238	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01-FB	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R01-FB	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R90	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R90	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GU060700G09R90	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI701	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI701	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI701	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI790	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI790	Plutonium-239/240	JN-	RWQ7	Non-specified quality control failure - see validation report
168378	Radionuclides	HASL-300:ISOPU	GU06070LAOI790	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GF060700G09R01	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	HASL-300:ISOU	GF060700G09R90	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GF06070LAOI701	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GF06070LAOI790	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GU060700G09R01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GU060700G09R01-FB	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GU060700G09R01-FB	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GU060700G09R01-FB	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	Radionuclides	HASL-300:ISOU	GU060700G09R90	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168378	Radionuclides	HASL-300:ISOU	GU06070LAOI701	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	Radionuclides	HASL-300:ISOU	GU06070LAOI790	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168378	SVOA	SW-846:8260B	GU060700G09R01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8260B	GU060700G09R01-FB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8260B	GU060700G09R90	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8260B	GU06070GLA0302	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8260B	GU06070LAOI701	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8260B	GU06070LAOI701	Butanol[1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8260B	GU06070LAOI701	Diethyl Ether	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8260B	GU06070LAOI790	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	SVOA	SW-846:8270C	GU060700G09R01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU060700G09R01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01	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.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R01-FB	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.
168378	SVOA	SW-846:8270C	GU060700G09R90	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU060700G09R90	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R90	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU060700G09R90	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU060700G09R90	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU060700G09R90	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.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU06070GLA0302	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU06070GLA0302	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070GLA0302	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.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU06070LAOI701	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI701	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.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzidine	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzo(a)pyrene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzo(b)fluoranthene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzo(g,h,i)perylene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Benzo(k)fluoranthene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dibenz(a,h)anthracene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Di-n-octylphthalate	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	SVOA	SW-846:8270C	GU06070LAOI790	Indeno(1,2,3-cd)pyrene	UJ	SV1	The IS area count for the quantitating IS is outside the -50%-+100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	Phenanthrene	R	SWQ5	Non-specified quality control failure - see validation report
168378	SVOA	SW-846:8270C	GU06070LAOI790	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168378	SVOA	SW-846:8270C	GU06070LAOI790	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.
168378	VOA	SW-846:8260B	GU060700G09R01	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 contami
168378	VOA	SW-846:8260B	GU060700G09R01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R01	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.
168378	VOA	SW-846:8260B	GU060700G09R01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	VOA	SW-846:8260B	GU060700G09R01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R01-FB	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 contami
168378	VOA	SW-846:8260B	GU060700G09R01-FB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R01-FB	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.
168378	VOA	SW-846:8260B	GU060700G09R01-FB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R01-FB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R90	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 contami
168378	VOA	SW-846:8260B	GU060700G09R90	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R90	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.
168378	VOA	SW-846:8260B	GU060700G09R90	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU060700G09R90	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070GLA0302	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 contami
168378	VOA	SW-846:8260B	GU06070GLA0302	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070GLA0302	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.
168378	VOA	SW-846:8260B	GU06070GLA0302	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070GLA0302	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070LAOI701	Acetone	UJ	VWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	VOA	SW-846:8260B	GU06070LAOI701	Acetonitrile	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070LAOI701	Acrolein	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Acrylonitrile	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Benzene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Bromobenzene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Bromochloromethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Bromodichloromethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Bromoform	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Bromomethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Butanone[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Butylbenzene[n-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Butylbenzene[sec-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Butylbenzene[tert-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Carbon Disulfide	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Carbon Tetrachloride	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloro-1,3-butadiene[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloro-1-propene[3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chlorobenzene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chlorodibromomethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloroethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloroethyl vinyl ether[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloroform	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chloromethane	UJ	VWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	VOA	SW-846:8260B	GU06070LAOI701	Chlorotoluene[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Chlorotoluene[4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dibromo-3-Chloropropane[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dibromoethane[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dibromomethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichlorobenzene[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichlorobenzene[1,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichlorobenzene[1,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	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.
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichlorodifluoromethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloroethane[1,1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloroethane[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloroethene[1,1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloroethene[cis-1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloroethene[trans-1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropane[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropane[1,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropane[2,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropene[1,1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropene[cis/trans-1,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropene[cis-1,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dichloropropene[trans-1,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	VOA	SW-846:8260B	GU06070LAOI701	Dioxane[1,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Ethyl Methacrylate	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Ethylbenzene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Hexachlorobutadiene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Hexanone[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Iodomethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Isopropylbenzene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Isopropyltoluene[4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Methyl Methacrylate	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Methyl tert-Butyl Ether	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070LAOI701	Methyl-1-propanol[2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Methyl-2-pentanone[4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Methylene Chloride	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Naphthalene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Propionitrile	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Propylbenzene[1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Styrene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Tetrachloroethane[1,1,1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Tetrachloroethane[1,1,2,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Tetrachloroethene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Toluene	J	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichlorobenzene[1,2,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichlorobenzene[1,2,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichloroethane[1,1,1-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichloroethane[1,1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichloroethene	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichlorofluoromethane	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trichloropropane[1,2,3-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trimethylbenzene[1,2,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Trimethylbenzene[1,3,5-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Vinyl acetate	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Vinyl Chloride	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Xylene[1,2-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI701	Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ5	Non-specified quality control failure - see validation report
168378	VOA	SW-846:8260B	GU06070LAOI790	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070LAOI790	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.
168378	VOA	SW-846:8260B	GU06070LAOI790	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168378	VOA	SW-846:8260B	GU06070LAOI790	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	SVOA	SW-846:8260B	GU060700G09R01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	SVOA	SW-846:8260B	GU060700G09R01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	SVOA	SW-846:8260B	GU060700G09R01-FTB	Butanol[1-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	SVOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	SVOA	SW-846:8260B	GU06070GLA0302-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	SVOA	SW-846:8260B	GU06070GLA0302-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168382	SVOA	SW-846:8260B	GU06070GLA0302-FTB	Butanol[1-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	SVOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	SVOA	SW-846:8260B	GU06070LAOI701-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	SVOA	SW-846:8260B	GU06070LAOI701-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	SVOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Bromoform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Bromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Butanone[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloroform	J	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloroform	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 contami
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Chlorotoluene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloroethane[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloroethene[cis-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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloroethene[trans-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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropane[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropane[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropane[2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropene[1,1-]	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	
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dioxane[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Hexanone[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Isopropyltoluene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methyl tert-Butyl 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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methyl-1-propanol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methyl-2-pentanone[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Methylene 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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU060700G09R01-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Acetonitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Acrolein	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Acrolein	UJ	V7b The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Acrylonitrile	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Benzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Bromobenzene	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
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Butanone[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloro-1,3-butadiene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloro-1-propene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloroform	J	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	
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloroform	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 contami
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Chlorotoluene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dibromo-3-Chloropropane[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dibromoethane[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dibromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichlorobenzene[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichlorodifluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloroethane[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloroethene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloroethene[cis-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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloroethene[trans-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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropane[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dioxane[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Hexanone[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Isopropylbenzene	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	
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Isopropyltoluene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methyl tert-Butyl 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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methyl-1-propanol[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methyl-2-pentanone[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Methylene 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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Toluene	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
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Trichloroethane[1,1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	Trichloroethane[1,1,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070GLA0302-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acetone	R	VWQ5 Non-specified quality control failure - see validation report
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acetone	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichlorodifluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloroethane[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloroethane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloroethene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloroethene[cis-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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloroethene[trans-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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropene[1,1-]	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	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dioxane[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Hexanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Isopropyltoluene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl tert-Butyl 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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl-1-propanol[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methyl-2-pentanone[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Methylene 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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Trichlorobenzene[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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168382	VOA	SW-846:8260B	GU06070LAOI701-FTB	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.
168446	General Inorganic	EPA:150.1	GF060700G16G01	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 includ
168446	General Inorganic	EPA:150.1	GU060700G16G01	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 includ
168446	General Inorganic	EPA:350.1	GF060700G16G01	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168446	General Inorganic	EPA:350.1	GU060700G16G01	Ammonia as Nitrogen	J-	IWQ6	Non-specified quality control failure - see validation report
168446	General Inorganic	EPA:350.1	GU060700G16G01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168446	General Inorganic	EPA:351.2	GF060700G16G01	Total Kjeldahl Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168446	General Inorganic	EPA:351.2	GF060700G16G01	Total Kjeldahl Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
168446	General Inorganic	SW-846:6010B	GF060700G16G01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168446	General Inorganic	SW-846:6010B	GU060700G16G01	Silicon Dioxide	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168446	Metals	EPA:245.2	GF060700G16G01	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168446	Metals	EPA:245.2	GU060700G16G01	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168446	Metals	SW-846:6020	GF060700G16G01	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168446	Metals	SW-846:6020	GF060700G16G01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168446	Metals	SW-846:6020	GU060700G16G01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168446	Radionuclides	EPA:900	GF060700G16G01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	EPA:900	GF060700G16G01	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168446	Radionuclides	EPA:900	GF060700G16G01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	EPA:900	GU060700G16G01	Gross alpha	J-	R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.
168446	Radionuclides	EPA:900	GU060700G16G01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GF060700G16G01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GU060700G16G01	Cesium-137	R	RWQ7	Non-specified quality control failure - see validation report

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168446	Radionuclides	EPA:901.1	GU060700G16G01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GU060700G16G01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GU060700G16G01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:901.1	GU060700G16G01	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168446	Radionuclides	EPA:901.1	GU060700G16G01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:905.0	GF060700G16G01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	EPA:905.0	GU060700G16G01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:AM-241	GF060700G16G01	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	HASL-300:AM-241	GU060700G16G01	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	HASL-300:ISOPU	GF060700G16G01	Plutonium-238	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
168446	Radionuclides	HASL-300:ISOPU	GF060700G16G01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOPU	GF060700G16G01	Plutonium-239/240	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
168446	Radionuclides	HASL-300:ISOPU	GF060700G16G01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOPU	GU060700G16G01	Plutonium-238	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
168446	Radionuclides	HASL-300:ISOPU	GU060700G16G01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOPU	GU060700G16G01	Plutonium-239/240	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
168446	Radionuclides	HASL-300:ISOPU	GU060700G16G01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOU	GF060700G16G01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	HASL-300:ISOU	GF060700G16G01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOU	GF060700G16G01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	HASL-300:ISOU	GU060700G16G01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168446	Radionuclides	HASL-300:ISOU	GU060700G16G01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168446	Radionuclides	HASL-300:ISOU	GU060700G16G01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168448	SVOA	SW-846:8260B	GU060700G16G02-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	SVOA	SW-846:8260B	GU060700G16G02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168448	SVOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	SVOA	SW-846:8260B	GU060700G1ZL01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	SVOA	SW-846:8260B	GU060700G1ZL01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	SVOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Bromoform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Bromomethane	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
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Butanone[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chloro-1,3-butadiene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chloro-1-propene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chlorotoluene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Chlorotoluene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dibromo-3-Chloropropane[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dibromoethane[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloroethane[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloroethene[cis-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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloroethene[trans-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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropane[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropane[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropane[2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dioxane[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Hexanone[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Isopropyltoluene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl tert-Butyl 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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl-1-propanol[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methyl-2-pentanone[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Methylene 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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Trichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Trichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G16G02-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Acrylonitrile	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
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Benzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Bromobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Butanone[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chloro-1,3-butadiene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chloro-1-propene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chlorodibromomethane	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
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chlorotoluene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Chlorotoluene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dibromo-3-Chloropropane[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dibromoethane[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloroethane[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloroethene[cis-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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloroethene[trans-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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropane[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dioxane[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Hexanone[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Isopropylbenzene	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	
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Isopropyltoluene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl tert-Butyl 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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl-1-propanol[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methyl-2-pentanone[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Methylene Chloride	J	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Toluene	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	
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Trichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Trichlorobenzene[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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.
168448	VOA	SW-846:8260B	GU060700G1ZL01-FTB	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	General Inorganic	EPA:150.1	GF06070G08R101	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 includ
168595	General Inorganic	EPA:150.1	GU06070G08R101	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 includ
168595	General Inorganic	EPA:350.1	GF06070G08R101	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168595	General Inorganic	EPA:350.1	GU06070G08R101	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168595	General Inorganic	EPA:351.2	GF06070G08R101	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168595	General Inorganic	EPA:351.2	GF06070G08R101	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
168595	General Inorganic	EPA:351.2	GU06070G08R101	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168595	General Inorganic	EPA:351.2	GU06070G08R101	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
168595	General Inorganic	EPA:365.4	GF06070G08R101	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168595	General Inorganic	EPA:365.4	GU06070G08R101	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168595	General Inorganic	EPA:410.4	GU06070G08R101	Chemical Oxygen Demand	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168595	Metals	EPA:245.2	GF06070G08R101	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168595	Metals	EPA:245.2	GU06070G08R101	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168595	Radionuclides	EPA:900	GF06070G08R101	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:900	GF06070G08R101	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:900	GU06070G08R101	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:900	GU06070G08R101	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	Radionuclides	EPA:901.1	GF06070G08R101	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168595	Radionuclides	EPA:901.1	GF06070G08R101	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168595	SVOA	SW-846:8270C	GU06070G08R101	Fluorene	R	SWQ5	Non-specified quality control failure - see validation report
168595	VOA	SW-846:8260B	GU06070G08R101	Acrolein	UJ	V12b	The LCS percent recovery was less than the LAL but greater than 10%. The result is biased low and is detected.
168595	VOA	SW-846:8260B	GU06070G08R101	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	VOA	SW-846:8260B	GU06070G08R101	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168595	VOA	SW-846:8260B	GU06070G08R101	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	VOA	SW-846:8260B	GU06070G08R101	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168595	VOA	SW-846:8260B	GU06070G08R101	Propionitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168596	SVOA	SW-846:8260B	GU06070G08R101-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	SVOA	SW-846:8260B	GU06070G08R101-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168596	SVOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Bromobenzene	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
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Bromochloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Bromodichloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Bromoform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Bromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Butanone[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Butylbenzene[n-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chloro-1,3-butadiene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chloro-1-propene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chloroform	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
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chlorotoluene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Chlorotoluene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dibromo-3-Chloropropane[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dibromoethane[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichlorobenzene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichlorobenzene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloroethane[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloroethene[cis-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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloroethene[trans-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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropane[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropane[1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropane[2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropene[1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropene[cis-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dichloropropene[trans-1,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dioxane[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Hexanone[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Isopropyltoluene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methacrylonitrile	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	
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl tert-Butyl 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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl-1-propanol[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methyl-2-pentanone[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Methylene 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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Trichlorobenzene[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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Trichlorobenzene[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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168596	VOA	SW-846:8260B	GU06070G08R101-FTB	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.
168597	General Inorganic	EPA:150.1	GF060700GSPD01	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168597	General Inorganic	EPA:150.1	GU060700GSPD01	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 includ
168597	General Inorganic	EPA:335.3	GF060700GSPD01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168597	General Inorganic	EPA:335.3	GU060700GSPD01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168597	General Inorganic	EPA:365.4	GF060700GSPD01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168597	General Inorganic	EPA:365.4	GU060700GSPD01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	2,4-Diamino-6-nitrotoluene	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	2,6-Diamino-4-nitrotoluene	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	3,5-dinitroaniline	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Amino-2,6-dinitrotoluene[4-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Amino-4,6-dinitrotoluene[2-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Dinitrobenzene[1,3-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Dinitrotoluene[2,4-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Dinitrotoluene[2,6-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	HMX	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Nitrobenzene	UJ	LMS4	Relative percent difference of the MS/MSD 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	
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Nitrotoluene[2-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Nitrotoluene[3-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Nitrotoluene[4-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	PETN	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	RDX	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	TATB	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Tetryl	UJ	LL3	The LCS %R failed low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Tetryl	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Trinitrobenzene[1,3,5-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Trinitrotoluene[2,4,6-]	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	High Explosives	SW-846:8321A_MOD	GU060700GSPD01	Tri-o-cresylphosphate (TOCP)	UJ	LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.
168597	Pesticides PCBs	SW-846:8081A	GU060700GSPD01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168597	Pesticides PCBs	SW-846:8081A	GU060700GSPD01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168597	Radionuclides	EPA:900	GF060700GSPD01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:900	GU060700GSPD01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GF060700GSPD01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Cesium-137	J	RWQ2	Result values are less than than 3 times the MDC
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168597	Radionuclides	EPA:901.1	GU060700GSPD01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	HASL-300:AM-241	GF060700GSPD01	Americium-241	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
168597	Radionuclides	HASL-300:AM-241	GU060700GSPD01	Americium-241	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
168597	Radionuclides	HASL-300:ISOPU	GF060700GSPD01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	HASL-300:ISOPU	GF060700GSPD01	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168597	Radionuclides	HASL-300:ISOPU	GU060700GSPD01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	HASL-300:ISOU	GU060700GSPD01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168597	Radionuclides	HASL-300:ISOU	GU060700GSPD01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168597	SVOA	SW-846:8270C	GU060700GSPD01	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Chloroaniline[4-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitroaniline[3-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168597	SVOA	SW-846:8270C	GU060700GSPD01	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168597	VOA	SW-846:8260B	GU060700GSPD01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01	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.
168597	VOA	SW-846:8260B	GU060700GSPD01	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168597	VOA	SW-846:8260B	GU060700GSPD01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01-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.
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168597	VOA	SW-846:8260B	GU060700GSPD01-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168633	General Inorganic	EPA:150.1	GF06070GLA0601	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 includ
168633	General Inorganic	EPA:150.1	GU06070GLA0601	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 includ
168633	General Inorganic	EPA:300	GF06070GLA0601	Chloride	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
168633	General Inorganic	EPA:300	GF06070GLA0601	Chloride	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168633	General Inorganic	EPA:300	GU06070GLA0601	Chloride	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168633	General Inorganic	EPA:300	GU06070GLA0601	Chloride	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168633	General Inorganic	EPA:350.1	GU06070GLA0601	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
168633	General Inorganic	EPA:353.1	GU06070GLA0601	Nitrate-Nitrite as N	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168633	General Inorganic	EPA:365.4	GF06070GLA0601	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168633	General Inorganic	EPA:365.4	GU06070GLA0601	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168633	Metals	SW-846:6020	GF06070GLA0601	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168633	Pesticides PCBs	SW-846:8081A	GU06070GLA0601	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168633	Pesticides PCBs	SW-846:8081A	GU06070GLA0601	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168633	Radionuclides	EPA:900	GF06070GLA0601	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:900	GF06070GLA0601	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	EPA:900	GU06070GLA0601	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:900	GU06070GLA0601	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GF06070GLA0601	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:901.1	GU06070GLA0601	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:905.0	GF06070GLA0601	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	EPA:905.0	GU06070GLA0601	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:AM-241	GF06070GLA0601	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:AM-241	GU06070GLA0601	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:ISOPU	GF06070GLA0601	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:ISOPU	GF06070GLA0601	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:ISOPU	GU06070GLA0601	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:ISOPU	GU06070GLA0601	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:ISOU	GF06070GLA0601	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:ISOU	GF06070GLA0601	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:ISOU	GF06070GLA0601	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:ISOU	GU06070GLA0601	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168633	Radionuclides	HASL-300:ISOU	GU06070GLA0601	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168633	Radionuclides	HASL-300:ISOU	GU06070GLA0601	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168633	SVOA	SW-846:8260B	GU06070GLA0602	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	SVOA	SW-846:8270C	GU06070GLA0602	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	VOA	SW-846:8260B	GU06070GLA0602	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168633	VOA	SW-846:8260B	GU06070GLA0602	Bromomethane	UJ	VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168633	VOA	SW-846:8260B	GU06070GLA0602	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168633	VOA	SW-846:8260B	GU06070GLA0602	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168633	VOA	SW-846:8260B	GU06070GLA0602	Propionitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	General Inorganic	EPA:150.1	GF060700GBAL01	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 includ
168638	General Inorganic	EPA:150.1	GU060700GBAL01	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 includ
168638	General Inorganic	EPA:150.1	GU060800GBAL01-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 includ
168638	General Inorganic	EPA:335.3	GF060700GBAL01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168638	General Inorganic	EPA:335.3	GU060700GBAL01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168638	General Inorganic	EPA:335.3	GU060800GBAL01-FB	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168638	General Inorganic	EPA:350.1	GF060700GBAL01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:350.1	GU060700GBAL01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:351.2	GF060700GBAL01	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
168638	General Inorganic	EPA:351.2	GU060700GBAL01	Total Kjeldahl Nitrogen	UJ	IWQ6	Non-specified quality control failure - see validation report
168638	General Inorganic	EPA:351.2	GU060800GBAL01-FB	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	General Inorganic	EPA:353.1	GU060700GBAL01	Nitrate-Nitrite as N	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:353.1	GU060800GBAL01-FB	Nitrate-Nitrite as N	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:365.4	GF060700GBAL01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:365.4	GU060700GBAL01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:365.4	GU060800GBAL01-FB	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	EPA:410.4	GU060700GBAL02	Chemical Oxygen Demand	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	General Inorganic	SW-846:6010B	GU060800GBAL01-FB	Silicon Dioxide	J-	IWQ6	Non-specified quality control failure - see validation report
168638	Metals	SW-846:6010B	GF060700GBAL01	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6010B	GF060700GBAL01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6010B	GU060700GBAL01	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6010B	GU060700GBAL01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6020	GF060700GBAL01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	Metals	SW-846:6020	GF060700GBAL01	Nickel	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6020	GU060700GBAL01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Metals	SW-846:6020	GU060700GBAL01	Nickel	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168638	Pesticides PCBs	SW-846:8081A	GU060700GBAL01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168638	Pesticides PCBs	SW-846:8081A	GU060700GBAL01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168638	Pesticides PCBs	SW-846:8081A	GU060800GBAL01-FB	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168638	Pesticides PCBs	SW-846:8081A	GU060800GBAL01-FB	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168638	Radionuclides	EPA:900	GF060700GBAL01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:900	GF060700GBAL01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:900	GF060700GBAL01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168638	Radionuclides	EPA:900	GU060700GBAL01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:900	GU060700GBAL01	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
168638	Radionuclides	EPA:900	GU060800GBAL01-FB	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:900	GU060800GBAL01-FB	Gross beta	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Potassium-40	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GF060700GBAL01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Potassium-40	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060700GBAL01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Potassium-40	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:901.1	GU060800GBAL01-FB	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:905.0	GF060700GBAL01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:905.0	GU060700GBAL01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	EPA:905.0	GU060800GBAL01-FB	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:AM-241	GF060700GBAL01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:AM-241	GU060700GBAL01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:AM-241	GU060800GBAL01-FB	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOPU	GF060700GBAL01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOPU	GF060700GBAL01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOPU	GU060700GBAL01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOPU	GU060700GBAL01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	Radionuclides	HASL-300:ISOPU	GU060800GBAL01-FB	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOPU	GU060800GBAL01-FB	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GF060700GBAL01	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GF060700GBAL01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GF060700GBAL01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060700GBAL01	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060700GBAL01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060700GBAL01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060800GBAL01-FB	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060800GBAL01-FB	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	Radionuclides	HASL-300:ISOU	GU060800GBAL01-FB	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168638	SVOA	SW-846:8260B	GU060700GBAL02	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	SVOA	SW-846:8260B	GU060800GBAL01-FB	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060700GBAL02	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Acenaphthene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Acenaphthylene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Aniline	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Anthracene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Atrazine	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Atrazine	UJ	SV7b The affected analytes were analyzed with a RRF of less than 0.05.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Azobenzene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzidine	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzo(a)anthracene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzo(a)pyrene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzo(b)fluoranthene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzo(g,h,i)perylene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzo(k)fluoranthene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzoic Acid	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Benzyl Alcohol	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Bis(2-chloroethoxy)methane	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Bis(2-chloroethyl)ether	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Bis(2-ethylhexyl)phthalate	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Bromophenyl-phenylether[4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Butylbenzylphthalate	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chloro-3-methylphenol[4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chloroaniline[4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chloronaphthalene[2-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chlorophenol[2-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chlorophenyl-phenyl[4-] Ether	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Chrysene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dibenz(a,h)anthracene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dibenzofuran	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,2-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,3-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,3-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,4-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzene[1,4-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorobenzidine[3,3'-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dichlorophenol[2,4-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Diethylphthalate	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dimethyl Phthalate	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dimethylphenol[2,4-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Di-n-butylphthalate	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dinitro-2-methylphenol[4,6-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dinitrophenol[2,4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dinitrotoluene[2,4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dinitrotoluene[2,6-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Di-n-octylphthalate	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dinoseb	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Dioxane[1,4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Diphenylamine	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Fluoranthene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Fluorene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachlorobenzene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachlorobutadiene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachlorocyclopentadiene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachloroethane	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Hexachloroethane	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Indeno(1,2,3-cd)pyrene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Isophorone	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Methylnaphthalene[1-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Methylnaphthalene[2-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Methylphenol[2-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Methylphenol[3-,4-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Naphthalene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitroaniline[2-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitroaniline[3-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitroaniline[4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrobenzene	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrophenol[2-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrophenol[4-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrosodiethylamine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrosodiethylamine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrosodimethylamine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitroso-di-n-butylamine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitroso-di-n-propylamine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Nitrosopyrrolidine[N-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Oxybis(1-chloropropane)[2,2'-]	UJ	SV3c The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Pentachlorobenzene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Pentachlorophenol	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Phenanthrene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Phenol	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Pyrene	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Tetrachlorobenzene[1,2,4,5-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Tetrachlorophenol[2,3,4,6-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Trichlorobenzene[1,2,4-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Trichlorophenol[2,4,5-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	SVOA	SW-846:8270C	GU060800GBAL01-FB	Trichlorophenol[2,4,6-]	UJ	SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
168638	VOA	SW-846:8260B	GU060700GBAL02	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060700GBAL02	Bromomethane	UJ	VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	VOA	SW-846:8260B	GU060700GBAL02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060700GBAL02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168638	VOA	SW-846:8260B	GU060700GBAL02	Propionitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	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.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	Bromomethane	UJ	VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168638	VOA	SW-846:8260B	GU060800GBAL01-FB	Propionitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168651	SVOA	SW-846:8260B	GU060700GBAL02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168651	VOA	SW-846:8260B	GU060700GBAL02-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168651	VOA	SW-846:8260B	GU060700GBAL02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168651	VOA	SW-846:8260B	GU060700GBAL02-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.
168651	VOA	SW-846:8260B	GU060700GBAL02-FTB	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168651	VOA	SW-846:8260B	GU060700GBAL02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168651	VOA	SW-846:8260B	GU060700GBAL02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168774	General Inorganic	EPA:150.1	GF060700G11L01	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 includ
168774	General Inorganic	EPA:150.1	GU060700G11L01	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 includ
168774	General Inorganic	EPA:335.3	GF060700G11L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168774	General Inorganic	EPA:335.3	GU060700G11L01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168774	General Inorganic	EPA:351.2	GF060700G11L01	Total Kjeldahl Nitrogen	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.
168774	General Inorganic	EPA:351.2	GU060700G11L01	Total Kjeldahl Nitrogen	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.
168774	General Inorganic	EPA:351.2	GU060700G11L01	Total Kjeldahl Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
168774	General Inorganic	EPA:365.4	GF060700G11L01	Total Phosphate as Phosphorus	J-	IWQ6	Non-specified quality control failure - see validation report
168774	General Inorganic	EPA:365.4	GF060700G11L01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168774	General Inorganic	EPA:365.4	GU060700G11L01	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168774	Metals	SW-846:6010B	GF060700G11L01	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168774	Metals	SW-846:6010B	GF060700G11L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168774	Metals	SW-846:6010B	GU060700G11L01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168774	Pesticides PCBs	SW-846:8081A	GU060700G11L01	Aldrin	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168774	Pesticides PCBs	SW-846:8081A	GU060700G11L01	Heptachlor	UJ	P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
168774	Radionuclides	EPA:900	GF060700G11L01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:900	GU060700G11L01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168774	Radionuclides	EPA:901.1	GF060700G11L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GF060700G11L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GF060700G11L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168774	Radionuclides	EPA:901.1	GF060700G11L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GF060700G11L01	Potassium-40	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168774	Radionuclides	EPA:901.1	GF060700G11L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GF060700G11L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Potassium-40	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:901.1	GU060700G11L01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:905.0	GF060700G11L01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:905.0	GF060700G11L01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	EPA:905.0	GU060700G11L01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:AM-241	GF060700G11L01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOPU	GF060700G11L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOPU	GF060700G11L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOPU	GU060700G11L01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOPU	GU060700G11L01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOU	GF060700G11L01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168774	Radionuclides	HASL-300:ISOU	GF060700G11L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOU	GF060700G11L01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOU	GU060700G11L01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168774	Radionuclides	HASL-300:ISOU	GU060700G11L01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168774	SVOA	SW-846:8270C	GU060700G11L01	Aniline	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168774	SVOA	SW-846:8270C	GU060700G11L01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168774	SVOA	SW-846:8270C	GU060700G11L01	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.
168774	SVOA	SW-846:8270C	GU060700G11L01	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.
168774	SVOA	SW-846:8270C	GU060700G11L01	Chloroaniline[4-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168774	SVOA	SW-846:8270C	GU060700G11L01	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168774	SVOA	SW-846:8270C	GU060700G11L01	Dichlorobenzidine[3,3'-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168774	SVOA	SW-846:8270C	GU060700G11L01	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168774	SVOA	SW-846:8270C	GU060700G11L01	Nitroaniline[3-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168774	SVOA	SW-846:8270C	GU060700G11L01	Nitroaniline[4-]	UJ	SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
168774	VOA	SW-846:8260B	GU060700G11L01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168774	VOA	SW-846:8260B	GU060700G11L01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168774	VOA	SW-846:8260B	GU060700G11L01	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.
168774	VOA	SW-846:8260B	GU060700G11L01	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168774	VOA	SW-846:8260B	GU060700G11L01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168774	VOA	SW-846:8260B	GU060700G11L01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	General Inorganic	EPA:410.4	GU060700G11L02	Chemical Oxygen Demand	JN-	IWQ2	Negative blank samples results were greater than the MDL
168775	SVOA	SW-846:8260B	GU060700G11L02	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	SVOA	SW-846:8260B	GU060700G11L02	Butanol[1-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168775	SVOA	SW-846:8270C	GU060700G11L02	Aniline	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Atrazine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	SVOA	SW-846:8270C	GU060700G11L02	Benzidine	R	SV12a	The LCS percent recovery was less than 10%.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168775	SVOA	SW-846:8270C	GU060700G11L02	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.
168775	SVOA	SW-846:8270C	GU060700G11L02	Benzidine	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Chloroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Dichlorobenzene[1,2-]	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168775	SVOA	SW-846:8270C	GU060700G11L02	Dichlorobenzidine[3,3'-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Dinoseb	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Dioxane[1,4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Hexachlorocyclopentadiene	UJ	SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitroaniline[2-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitroaniline[3-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitroaniline[4-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitrosodiethylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitroso-di-n-butylamine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Nitrosopyrrolidine[N-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Pentachlorobenzene	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
168775	SVOA	SW-846:8270C	GU060700G11L02	Tetrachlorobenzene[1,2,4,5-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168775	SVOA	SW-846:8270C	GU060700G11L02	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.
168775	VOA	SW-846:8260B	GU060700G11L02	Acetone	R	VWQ5	Non-specified quality control failure - see validation report
168775	VOA	SW-846:8260B	GU060700G11L02	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	VOA	SW-846:8260B	GU060700G11L02	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168775	VOA	SW-846:8260B	GU060700G11L02	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	VOA	SW-846:8260B	GU060700G11L02	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168775	VOA	SW-846:8260B	GU060700G11L02	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168775	VOA	SW-846:8260B	GU060700G11L02	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168775	VOA	SW-846:8260B	GU060700G11L02	Vinyl acetate	R	VWQ5	Non-specified quality control failure - see validation report
168776	SVOA	SW-846:8260B	GU060700G11L02-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168776	VOA	SW-846:8260B	GU060700G11L02-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.
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Methyl tert-Butyl Ether	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.
168776	VOA	SW-846:8260B	GU060700G11L02-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168869	General Inorganic	EPA:160.2	GU060800E04201	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 includ
168869	General Inorganic	EPA:160.2	GU060800E05001	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	General Inorganic	EPA:160.2	GU060800E05501	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 includ
168869	General Inorganic	EPA:335.3	GU060800E05001	Cyanide, Amenable	R	IWQ6	Non-specified quality control failure - see validation report
168869	General Inorganic	EPA:335.3	GU060800E05001	Cyanide, Amenable	UJ	I10a	The duplicate sample RPD is greater than the advisory limit and the sample result is a nondetect. Manual review is suggested to determine the source of the difference between analyses.
168869	General Inorganic	EPA:350.1	GU060800E05501	Ammonia as Nitrogen	J-	IWQ6	Non-specified quality control failure - see validation report
168869	General Inorganic	SW-846:9012A	GU060800E04201	Cyanide, Amenable	UJ	I10a	The duplicate sample RPD is greater than the advisory limit and the sample result is a nondetect. Manual review is suggested to determine the source of the difference between analyses.
168869	Metals	EPA:200.7	GF060800E05501	Iron	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168869	Metals	EPA:200.7	GF060800E05501	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168869	Metals	EPA:200.8	GF060800E04201	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168869	Metals	EPA:200.8	GF060800E04201	Chromium	JN-	IWQ2	Negative blank samples results were greater than the MDL
168869	Metals	EPA:200.8	GF060800E05001	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168869	Metals	EPA:200.8	GF060800E05001	Chromium	UJ	IWQ2	Negative blank samples results were greater than the MDL
168869	Metals	EPA:200.8	GF060800E05501	Chromium	UJ	IWQ2	Negative blank samples results were greater than the MDL
168869	Metals	EPA:200.8	GU060800E04201	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Metals	EPA:200.8	GU060800E05001	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168869	Metals	EPA:200.8	GU060800E05501	Chromium	JN-	IWQ2	Negative blank samples results were greater than the MDL
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1016	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1016	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1221	R	PWQ6	Non-specified quality control failure - see validation report
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1221	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1221	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1221	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1232	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1232	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1232	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1242	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1242	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1242	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1248	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1248	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1248	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1254	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1254	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1254	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1260	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1260	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1262	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1262	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E04201	Aroclor-1262	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1016	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1016	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1221	R	PWQ6	Non-specified quality control failure - see validation report
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1221	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1221	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1221	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1232	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1232	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1232	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1242	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1242	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1242	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1248	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1248	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1248	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1254	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1254	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1254	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1260	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1260	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1262	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1262	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05001	Aroclor-1262	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1016	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1016	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1221	R	PWQ6	Non-specified quality control failure - see validation report
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1221	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1221	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1221	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1232	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1232	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1232	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1242	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1242	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1242	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1248	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1248	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1248	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1254	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1254	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1254	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1260	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1260	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1262	UJ	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,
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1262	UJ	PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168869	Pesticides PCBs	EPA:608	GU060800E05501	Aroclor-1262	UJ	PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
168869	Radionuclides	EPA:900	GU060800E04201	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:900	GU060800E04201	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:900	GU060800E04201	Gross beta	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:900	GU060800E04201	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:900	GU060800E05001	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:900	GU060800E05001	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:900	GU060800E05001	Gross beta	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Radionuclides	EPA:900	GU060800E05001	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:900	GU060800E05501	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:900	GU060800E05501	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:900	GU060800E05501	Gross beta	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:900	GU060800E05501	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
168869	Radionuclides	EPA:901.1	GU060800E04201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E04201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E04201	Potassium-40	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	EPA:901.1	GU060800E04201	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05001	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05001	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05001	Potassium-40	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	EPA:901.1	GU060800E05001	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05501	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05501	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05501	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:901.1	GU060800E05501	Potassium-40	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	EPA:901.1	GU060800E05501	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	EPA:903.1	GU060800E04201	Radium-226	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:903.1	GU060800E05001	Radium-226	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:903.1	GU060800E05501	Radium-226	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:903.1	GU060800E05501	Radium-226	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	EPA:905.0	GU060800E04201	Strontium-90	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:905.0	GU060800E05001	Strontium-90	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168869	Radionuclides	EPA:905.0	GU060800E05501	Strontium-90	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168869	Radionuclides	EPA:906.0	GU060800E05001	Tritium	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	Generic:Alpha-Spec	GU060800E05001	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	Generic:Alpha-Spec	GU060800E05501	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	HASL-300:AM-241	GU060800E05501	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	HASL-300:ISOPU	GU060800E05501	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	HASL-300:ISOPU	GU060800E05501	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	HASL-300:ISOU	GU060800E04201	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168869	Radionuclides	HASL-300:ISOU	GU060800E05001	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168869	Radionuclides	HASL-300:ISOU	GU060800E05501	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	General Inorganic	EPA:160.2	GU060800E06001	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 includ
168941	General Inorganic	EPA:310.1	GF060800E06001	Alkalinity-CO3+HCO3	UJ	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
168941	General Inorganic	EPA:350.1	GU060800E06001	Ammonia as Nitrogen	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:200.7	GF060800E06001	Copper	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168941	Metals	EPA:200.7	GF060800E06001	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:200.7	GF060800E06001	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:200.7	GU060800E06001	Copper	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:200.7	GU060800E06001	Iron	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:200.7	GU060800E06001	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168941	Metals	EPA:245.2	GU060800E06001	Mercury	UJ	IWQ2	Negative blank samples results were greater than the MDL
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1016	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1221	UJ	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1232	UJ	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1242	UJ	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1248	UJ	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1254	UJ	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	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,
168941	Pesticides PCBs	EPA:608	GU060800E06001	Aroclor-1262	UJ	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,
168941	Radionuclides	EPA:901.1	GU060800E06001	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	EPA:901.1	GU060800E06001	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	EPA:901.1	GU060800E06001	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168941	Radionuclides	EPA:901.1	GU060800E06001	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	EPA:901.1	GU060800E06001	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	EPA:903.1	GU060800E06001	Radium-226	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168941	Radionuclides	EPA:905.0	GU060800E06001	Strontium-90	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
168941	Radionuclides	EPA:905.0	GU060800E06001	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	Generic:Alpha-Spec	GU060800E06001	Thorium-228	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168941	Radionuclides	Generic:Alpha-Spec	GU060800E06001	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
168941	Radionuclides	Generic:Alpha-Spec	GU060800E06001	Thorium-230	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168941	Radionuclides	Generic:Alpha-Spec	GU060800E06001	Thorium-232	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168941	Radionuclides	HASL-300:AM-241	GU060800E06001	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	HASL-300:ISOPU	GU060800E06001	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	HASL-300:ISOU	GU060800E06001	Uranium-234	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168941	Radionuclides	HASL-300:ISOU	GU060800E06001	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168941	Radionuclides	HASL-300:ISOU	GU060800E06001	Uranium-238	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
168963	General Inorganic	EPA:150.1	GF060700G1PA01	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 includ
168963	General Inorganic	EPA:150.1	GF060700G4OP01	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 includ
168963	General Inorganic	EPA:150.1	GU060700G1PA01	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 includ

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	General Inorganic	EPA:150.1	GU060700G4OP01	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 includ
168963	General Inorganic	EPA:335.3	GF060700G1PA01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168963	General Inorganic	EPA:335.3	GF060700G4OP01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168963	General Inorganic	EPA:335.3	GU060700G1PA01	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL
168963	General Inorganic	EPA:335.3	GU060700G4OP01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
168963	General Inorganic	EPA:350.1	GF060700G4OP01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	General Inorganic	EPA:350.1	GU060700G4OP01	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
168963	General Inorganic	EPA:351.2	GU060700G4OP01	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
168963	General Inorganic	EPA:351.2	GU060700G4OP01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
168963	General Inorganic	EPA:410.4	GU060700G1PA01	Chemical Oxygen Demand	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.
168963	General Inorganic	EPA:410.4	GU060700G4OP01	Chemical Oxygen Demand	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.
168963	Metals	SW-846:6010B	GF060700G1PA01	Copper	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6010B	GF060700G1PA01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6010B	GF060700G4OP01	Copper	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6010B	GF060700G4OP01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	Metals	SW-846:6010B	GU060700G1PA01	Copper	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6010B	GU060700G1PA01	Zinc	J+	IWQ6	Non-specified quality control failure - see validation report
168963	Metals	SW-846:6010B	GU060700G4OP01	Copper	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6010B	GU060700G4OP01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6020	GF060700G1PA01	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6020	GF060700G1PA01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6020	GF060700G4OP01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6020	GU060700G1PA01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Metals	SW-846:6020	GU060700G4OP01	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
168963	Radionuclides	EPA:900	GF060700G1PA01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:900	GF060700G4OP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:900	GU060700G1PA01	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	EPA:900	GU060700G4OP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G1PA01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GF060700G4OP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
168963	Radionuclides	EPA:901.1	GU060700G1PA01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:901.1	GU060700G4OP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:905.0	GF060700G1PA01	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	EPA:905.0	GF060700G4OP01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:905.0	GU060700G1PA01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	EPA:905.0	GU060700G4OP01	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	Radionuclides	HASL-300:AM-241	GF060700G1PA01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:AM-241	GF060700G4OP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:AM-241	GU060700G1PA01	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	HASL-300:AM-241	GU060700G4OP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GF060700G1PA01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GF060700G1PA01	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	HASL-300:ISOPU	GF060700G4OP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GF060700G4OP01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GU060700G1PA01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GU060700G4OP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOPU	GU060700G4OP01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GF060700G1PA01	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GF060700G1PA01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GF060700G1PA01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GF060700G4OP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GU060700G1PA01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	HASL-300:ISOU	GU060700G1PA01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
168963	Radionuclides	HASL-300:ISOU	GU060700G1PA01	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
168963	Radionuclides	HASL-300:ISOU	GU060700G4OP01	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
168963	SVOA	SW-846:8260B	GU060700G1PA01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	SVOA	SW-846:8260B	GU060700G4OP01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Acenaphthene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Acenaphthylene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	SVOA	SW-846:8270C	GU060700G1PA01	Aniline	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Anthracene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Atrazine	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Azobenzene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzidine	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzo(a)anthracene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzo(a)pyrene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzo(b)fluoranthene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzo(g,h,i)perylene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzo(k)fluoranthene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	SVOA	SW-846:8270C	GU060700G1PA01	Benzyl Alcohol	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Bis(2-chloroethoxy)methane	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Bis(2-chloroethyl)ether	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Bis(2-ethylhexyl)phthalate	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Bromophenyl-phenylether[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Butylbenzylphthalate	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chloro-3-methylphenol[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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chloroaniline[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chloronaphthalene[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chlorophenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chlorophenyl-phenyl[4-] Ether	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Chrysene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dibenz(a,h)anthracene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dibenzofuran	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dichlorobenzene[1,2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dichlorobenzene[1,3-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dichlorobenzene[1,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dichlorobenzidine[3,3'-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dichlorophenol[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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Diethylphthalate	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dimethyl Phthalate	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Di-n-butylphthalate	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dinitro-2-methylphenol[4,6-]	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dinitrophenol[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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dinitrotoluene[2,4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dinitrotoluene[2,6-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Di-n-octylphthalate	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Dioxane[1,4-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Diphenylamine	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Fluoranthene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Fluorene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Hexachlorobenzene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Hexachlorobutadiene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Hexachlorocyclopentadiene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Hexachloroethane	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Indeno(1,2,3-cd)pyrene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Isophorone	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168963	SVOA	SW-846:8270C	GU060700G1PA01	Methylnaphthalene[1-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Methylnaphthalene[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Methylphenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Methylphenol[3-,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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Naphthalene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroaniline[2-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroaniline[3-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroaniline[3-]	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroaniline[4-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitrobenzene	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitrophenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitrosodiethylamine[N-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitrosodimethylamine[N-]	UJ	SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroso-di-n-butylamine[N-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitroso-di-n-propylamine[N-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Nitrosopyrrolidine[N-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Oxybis(1-chloropropane)[2,2'-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Pentachlorobenzene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Phenanthrene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Phenol	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.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Pyrene	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Tetrachlorobenzene[1,2,4,5-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Tetrachlorophenol[2,3,4,6-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Trichlorobenzene[1,2,4-]	UJ	SV3a Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the porential for low bias in the results.
168963	SVOA	SW-846:8270C	GU060700G1PA01	Trichlorophenol[2,4,5-]	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	
168963	SVOA	SW-846:8270C	GU060700G1PA01	Trichlorophenol[2,4,6-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	SVOA	SW-846:8270C	GU060700G4OP01	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Chloro-3-methylphenol[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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Chlorophenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Dichlorophenol[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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Dinitro-2-methylphenol[4,6-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Dinitrophenol[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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Methylphenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Methylphenol[3-,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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Nitroaniline[3-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Nitrophenol[2-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Phenol	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Trichlorophenol[2,4,5-]	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.
168963	SVOA	SW-846:8270C	GU060700G4OP01	Trichlorophenol[2,4,6-]	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	
168963	VOA	SW-846:8260B	GU060700G1PA01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G1PA01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G1PA01	Bromodichloromethane	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.
168963	VOA	SW-846:8260B	GU060700G1PA01	Chloroethyl vinyl ether[2-]	R	VWQ6	The sample was improperly preserved.
168963	VOA	SW-846:8260B	GU060700G1PA01	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.
168963	VOA	SW-846:8260B	GU060700G1PA01	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168963	VOA	SW-846:8260B	GU060700G1PA01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G1PA01	Methyl tert-Butyl Ether	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.
168963	VOA	SW-846:8260B	GU060700G1PA01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G1PA01	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168963	VOA	SW-846:8260B	GU060700G1PA01	Tetrachloroethane[1,1,1,2-]	UJ	VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
168963	VOA	SW-846:8260B	GU060700G4OP01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G4OP01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G4OP01	Bromodichloromethane	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.
168963	VOA	SW-846:8260B	GU060700G4OP01	Chloroethyl vinyl ether[2-]	R	VWQ6	The sample was improperly preserved.
168963	VOA	SW-846:8260B	GU060700G4OP01	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.
168963	VOA	SW-846:8260B	GU060700G4OP01	Dichlorodifluoromethane	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168963	VOA	SW-846:8260B	GU060700G4OP01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G4OP01	Methyl tert-Butyl Ether	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.
168963	VOA	SW-846:8260B	GU060700G4OP01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168963	VOA	SW-846:8260B	GU060700G4OP01	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168963	VOA	SW-846:8260B	GU060700G4OP01	Tetrachloroethane[1,1,1,2-]	UJ	VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168967	SVOA	SW-846:8260B	GU060700G4OP01-FTB	Butanol[1-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	SVOA	SW-846:8260B	GU060700G4OP01-FTB	Butanol[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	SVOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acetone	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acetonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acrolein	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Acrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Benzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Bromobenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Bromochloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Bromodichloromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Bromoform	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Bromomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Butanone[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Butylbenzene[n-]	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
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Butylbenzene[sec-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Butylbenzene[tert-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Carbon Disulfide	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Carbon Tetrachloride	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chloro-1,3-butadiene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chloro-1-propene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chlorobenzene	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chlorodibromomethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chloroethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chloroform	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chloromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chlorotoluene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Chlorotoluene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dibromo-3-Chloropropane[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dibromoethane[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dibromomethane	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
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichlorobenzene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichlorobenzene[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichlorobenzene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichlorodifluoromethane	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloroethane[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloroethane[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloroethene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloroethene[cis-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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloroethene[trans-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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropane[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropane[1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropane[2,2-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropene[1,1-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropene[cis/trans-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropene[cis-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dichloropropene[trans-1,3-]	UJ	V14b The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Dioxane[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Ethyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Ethylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Hexachlorobutadiene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Hexanone[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Iodomethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Isopropylbenzene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Isopropyltoluene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methacrylonitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl Methacrylate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl tert-Butyl 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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl-1-propanol[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl-1-propanol[2-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methyl-2-pentanone[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Methylene Chloride	J	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	
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Naphthalene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Propionitrile	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Propionitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Propylbenzene[1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Styrene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Tetrachloroethane[1,1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Tetrachloroethane[1,1,2,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Tetrachloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Toluene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Trichloro-1,2,2-trifluoroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Trichlorobenzene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Trichlorobenzene[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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Trichloroethane[1,1,1-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	Trichloroethane[1,1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
168967	VOA	SW-846:8260B	GU060700G4OP01-FTB	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.
169105	General Inorganic	EPA:160.2	GU060800E05601	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 includ
169105	General Inorganic	EPA:335.3	GU060800E04202	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169105	General Inorganic	EPA:335.3	GU060800E05002	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169105	General Inorganic	EPA:335.3	GU060800E05002	Cyanide, Amenable	UJ	IWQ2	Negative blank samples results were greater than the MDL
169105	General Inorganic	EPA:350.1	GU060800E05601	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169105	General Inorganic	SW-846:9012A	GU060800E04202	Cyanide, Amenable	UJ	IWQ2	Negative blank samples results were greater than the MDL
169105	Metals	EPA:200.7	GF060800E04202	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E04202	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E04202	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GF060800E04202	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E05002	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169105	Metals	EPA:200.7	GF060800E05002	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E05002	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GF060800E05002	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E05601	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E05601	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GF060800E05601	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GF060800E05601	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E04202	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E04202	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E04202	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GU060800E04202	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05002	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05002	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05002	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GU060800E05002	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05601	Aluminum	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05601	Iron	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.7	GU060800E05601	Iron	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169105	Metals	EPA:200.7	GU060800E05601	Manganese	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
169105	Metals	EPA:200.8	GF060800E04202	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169105	Metals	EPA:200.8	GF060800E05601	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169105	Metals	EPA:200.8	GU060800E04202	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169105	Metals	EPA:200.8	GU060800E05002	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169105	Metals	EPA:200.8	GU060800E05601	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169105	Radionuclides	EPA:901.1	GU060800E04202	Cesium-137	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	EPA:901.1	GU060800E04202	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:901.1	GU060800E04202	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:901.1	GU060800E04202	Potassium-40	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	EPA:901.1	GU060800E04202	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:901.1	GU060800E05002	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:901.1	GU060800E05002	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:901.1	GU060800E05002	Potassium-40	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	EPA:901.1	GU060800E05002	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	EPA:906.0	GU060800E05002	Tritium	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	Generic:Alpha-Spec	GU060800E04202	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	Generic:Alpha-Spec	GU060800E05002	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	HASL-300:ISOU	GU060800E04202	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169105	Radionuclides	HASL-300:ISOU	GU060800E04202	Uranium-234	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
169105	Radionuclides	HASL-300:ISOU	GU060800E04202	Uranium-235/236	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the MDA.
169105	Radionuclides	HASL-300:ISOU	GU060800E04202	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	HASL-300:ISOU	GU060800E04202	Uranium-238	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
169105	Radionuclides	HASL-300:ISOU	GU060800E05002	Uranium-234	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169105	Radionuclides	HASL-300:ISOU	GU060800E05002	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169105	Radionuclides	HASL-300:ISOU	GU060800E05002	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169105	Radionuclides	HASL-300:ISOU	GU060800E05002	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1016	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1221	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1232	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1242	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1248	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1254	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1260	UJ	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,
169116	Pesticides PCBs	SW-846:8082	GU06070G08R201	Aroclor-1262	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	General Inorganic	EPA:150.1	GF06070G1OAP01	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 includ
169145	General Inorganic	EPA:150.1	GF06070G4OAP01	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 includ
169145	General Inorganic	EPA:150.1	GF06070GPAO201	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 includ
169145	General Inorganic	EPA:150.1	GU06070G1OAP01	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 includ
169145	General Inorganic	EPA:150.1	GU06070G4OAP01	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 includ
169145	General Inorganic	EPA:150.1	GU06070GPAO201	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 includ
169145	General Inorganic	EPA:335.3	GF06070G1OAP01	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:335.3	GF06070G4OAP01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:335.3	GF06070GPAO201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:335.3	GU06070G1OAP01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:335.3	GU06070G4OAP01	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:335.3	GU06070GPAO201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	General Inorganic	EPA:350.1	GF06070G1OAP01	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the MDL
169145	General Inorganic	EPA:351.2	GF06070G1OAP01	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:351.2	GF06070G4OAP01	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:351.2	GF06070GPAO201	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:351.2	GU06070G1OAP01	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:351.2	GU06070G4OAP01	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:351.2	GU06070GPAO201	Total Kjeldahl Nitrogen	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.
169145	General Inorganic	EPA:353.1	GU06070G4OAP01	Nitrate-Nitrite as N	J-	IWQ6	Non-specified quality control failure - see validation report
169145	General Inorganic	EPA:410.4	GU06070G1OAP01	Chemical Oxygen Demand	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.
169145	General Inorganic	EPA:410.4	GU06070G4OAP01	Chemical Oxygen Demand	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.
169145	General Inorganic	EPA:410.4	GU06070GPAO201	Chemical Oxygen Demand	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	
169145	Metals	SW-846:6010B	GF06070G1OAP01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Metals	SW-846:6010B	GF06070GPAO201	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Metals	SW-846:6010B	GU06070G1OAP01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Metals	SW-846:6020	GF06070G1OAP01	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Metals	SW-846:6020	GF06070G4OAP01	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Metals	SW-846:6020	GU06070G4OAP01	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169145	Radionuclides	EPA:900	GF06070G1OAP01	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GF06070G1OAP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:900	GF06070G4OAP01	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GF06070G4OAP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:900	GF06070GPAO201	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GF06070GPAO201	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:900	GU06070G1OAP01	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GU06070G1OAP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:900	GU06070G4OAP01	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GU06070G4OAP01	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	Radionuclides	EPA:900	GU06070GPAO201	Gross alpha	J+	R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
169145	Radionuclides	EPA:900	GU06070GPAO201	Gross alpha	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G1OAP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070G4OAP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GF06070GPAO201	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G1OAP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070G4OAP01	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Gross gamma	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:901.1	GU06070GPAO201	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	EPA:905.0	GF06070G1OAP01	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	EPA:905.0	GF06070G4OAP01	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	EPA:905.0	GF06070GPAO201	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	EPA:905.0	GU06070G1OAP01	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	EPA:905.0	GU06070GPAO201	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GF06070G1OAP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GF06070G4OAP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GF06070GPAO201	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GU06070G1OAP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GU06070G4OAP01	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:AM-241	GU06070GPAO201	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	Radionuclides	HASL-300:ISOPU	GF06070G1OAP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GF06070G1OAP01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GF06070G4OAP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GF06070GPAO201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GU06070G1OAP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GU06070G1OAP01	Plutonium-239/240	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GU06070G4OAP01	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOPU	GU06070GPAO201	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070G1OAP01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	HASL-300:ISOU	GF06070G1OAP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070G1OAP01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070G4OAP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070G4OAP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070GPAO201	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	HASL-300:ISOU	GF06070GPAO201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GF06070GPAO201	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GU06070G1OAP01	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169145	Radionuclides	HASL-300:ISOU	GU06070G1OAP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GU06070G1OAP01	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GU06070G4OAP01	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GU06070GPAO201	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169145	Radionuclides	HASL-300:ISOU	GU06070GPAO201	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
169145	SVOA	SW-846:8260B	GU06070G1OAP01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	SVOA	SW-846:8260B	GU06070G1OAP01	Butanol[1-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	SVOA	SW-846:8260B	GU06070G1OAP01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	SVOA	SW-846:8260B	GU06070G4OAP01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	SVOA	SW-846:8260B	GU06070GPAO201	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	SVOA	SW-846:8260B	GU06070GPAO201	Butanol[1-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	SVOA	SW-846:8270C	GU06070G1OAP01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	SVOA	SW-846:8270C	GU06070G4OAP01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	SVOA	SW-846:8270C	GU06070GPAO201	Atrazine	UJ	SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	VOA	SW-846:8260B	GU06070G1OAP01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	VOA	SW-846:8260B	GU06070G1OAP01	Methyl tert-Butyl Ether	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.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01	Methylene Chloride	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 contami
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Methyl tert-Butyl Ether	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.
169145	VOA	SW-846:8260B	GU06070G1OAP01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169145	VOA	SW-846:8260B	GU06070G4OAP01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Methyl tert-Butyl Ether	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.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070G4OAP01	Methylene Chloride	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 contami
169145	VOA	SW-846:8260B	GU06070GPAO201	Acetonitrile	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070GPAO201	Acrolein	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070GPAO201	Acrolein	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	VOA	SW-846:8260B	GU06070GPAO201	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070GPAO201	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
169145	VOA	SW-846:8260B	GU06070GPAO201	Methyl tert-Butyl Ether	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.
169145	VOA	SW-846:8260B	GU06070GPAO201	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a RRF of less than 0.05.
169145	VOA	SW-846:8260B	GU06070GPAO201	Methylene Chloride	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 contami
169150	General Inorganic	EPA:160.2	GU060800E05502	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 includ
169150	General Inorganic	EPA:335.3	GU060800E02601	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL
169150	General Inorganic	EPA:335.3	GU060800E02601	Cyanide, Amenable	R	IWQ6	Non-specified quality control failure - see validation report
169150	General Inorganic	EPA:335.3	GU060800E02601	Cyanide, Amenable	UJ	IWQ6	Non-specified quality control failure - see validation report
169150	General Inorganic	EPA:335.3	GU060800E05502	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	General Inorganic	EPA:335.3	GU060800E06002	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the MDL
169150	General Inorganic	SW-846:9012A	GU060800E05502	Cyanide, Amenable	UJ	IWQ6	Non-specified quality control failure - see validation report
169150	General Inorganic	SW-846:9012A	GU060800E06002	Cyanide, Amenable	R	IWQ6	Non-specified quality control failure - see validation report
169150	General Inorganic	SW-846:9012A	GU060800E06002	Cyanide, Amenable	UJ	IWQ6	Non-specified quality control failure - see validation report
169150	Metals	EPA:200.7	GF060800E05503	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.7	GF060800E06002	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.7	GU060800E05502	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.7	GU060800E05503	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.7	GU060800E05603	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.7	GU060800E06002	Arsenic	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GF060800E02601	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GF060800E05502	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GF060800E05502	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GF060800E05503	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GF060800E05503	Lead	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	
169150	Metals	EPA:200.8	GF060800E05603	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GF060800E05603	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GF060800E05603	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GF060800E06002	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GU060800E02601	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GU060800E02601	Chromium	J	I10	The duplicate sample RPD is greater than the advisory limit and the sample result is a detect. Manual review is suggested to determine the source of the difference between analyses.
169150	Metals	EPA:200.8	GU060800E02601	Lead	J	I10	The duplicate sample RPD is greater than the advisory limit and the sample result is a detect. Manual review is suggested to determine the source of the difference between analyses.
169150	Metals	EPA:200.8	GU060800E02601	Nickel	J	I10	The duplicate sample RPD is greater than the advisory limit and the sample result is a detect. Manual review is suggested to determine the source of the difference between analyses.
169150	Metals	EPA:200.8	GU060800E02601	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GU060800E05502	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GU060800E05503	Chromium	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GU060800E05503	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GU060800E05603	Antimony	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169150	Metals	EPA:200.8	GU060800E05603	Lead	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
169150	Metals	EPA:200.8	GU060800E06002	Lead	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	
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1016	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1221	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1232	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1242	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1248	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1254	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1260	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E05502	Aroclor-1262	UJ	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,
169150	Pesticides PCBs	EPA:608	GU060800E06002	Aroclor-1260	J+	PWQ10	Calibration verification %D exceeded acceptance criteria but was less than 60%

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	Radionuclides	EPA:900	GU060800E02601	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169150	Radionuclides	EPA:900	GU060800E02601	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E02601	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E02601	Gross beta	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169150	Radionuclides	EPA:900	GU060800E05502	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169150	Radionuclides	EPA:900	GU060800E05502	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:900	GU060800E05502	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05502	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05502	Gross beta	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169150	Radionuclides	EPA:900	GU060800E05503	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169150	Radionuclides	EPA:900	GU060800E05503	Gross alpha	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:900	GU060800E05503	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05503	Gross beta	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:900	GU060800E05503	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05503	Gross beta	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169150	Radionuclides	EPA:900	GU060800E05603	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169150	Radionuclides	EPA:900	GU060800E05603	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05603	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E05603	Gross beta	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169150	Radionuclides	EPA:900	GU060800E06002	Gross alpha	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169150	Radionuclides	EPA:900	GU060800E06002	Gross alpha	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	Radionuclides	EPA:900	GU060800E06002	Gross beta	J-	R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
169150	Radionuclides	EPA:900	GU060800E06002	Gross beta	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169150	Radionuclides	EPA:901.1	GU060800E02601	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E02601	Cesium-137	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:901.1	GU060800E02601	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E02601	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E02601	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05502	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05502	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05502	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05502	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
169150	Radionuclides	EPA:901.1	GU060800E05502	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05503	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05603	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05603	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05603	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E05603	Potassium-40	R	RWQ7	Non-specified quality control failure - see validation report
169150	Radionuclides	EPA:901.1	GU060800E05603	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E06002	Cesium-137	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E06002	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	Radionuclides	EPA:901.1	GU060800E06002	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E06002	Potassium-40	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:901.1	GU060800E06002	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:903.1	GU060800E05502	Radium-226	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:903.1	GU060800E05503	Radium-226	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:903.1	GU060800E05603	Radium-226	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:905.0	GU060800E02601	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:905.0	GU060800E05502	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	EPA:905.0	GU060800E05503	Strontium-90	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	EPA:905.0	GU060800E06002	Strontium-90	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05502	Thorium-228	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05502	Thorium-230	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05502	Thorium-232	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05503	Thorium-228	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05503	Thorium-230	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05503	Thorium-232	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05603	Thorium-228	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05603	Thorium-230	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	Generic:Alpha-Spec	GU060800E05603	Thorium-232	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	Generic:Alpha-Spec	GU060800E06002	Thorium-230	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:AM-241	GU060800E02601	Americium-241	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:AM-241	GU060800E05502	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:AM-241	GU060800E05503	Americium-241	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOPU	GU060800E02601	Plutonium-238	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOPU	GU060800E05502	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOPU	GU060800E05503	Plutonium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOPU	GU060800E05503	Plutonium-239/240	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOPU	GU060800E06002	Plutonium-238	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOPU	GU060800E06002	Plutonium-238	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	Radionuclides	HASL-300:ISOPU	GU060800E06002	Plutonium-239/240	J+	R1a	The tracer %R value is 10-30% inclusive and the sample result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E02601	Uranium-234	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E02601	Uranium-235/236	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOU	GU060800E02601	Uranium-235/236	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E02601	Uranium-238	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05502	Uranium-234	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05502	Uranium-235/236	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05502	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E05502	Uranium-238	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-234	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-234	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-235/236	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-238	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05503	Uranium-238	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-234	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-235/236	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169150	Radionuclides	HASL-300:ISOU	GU060800E05603	Uranium-238	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-234	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-234	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-235/236	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-238	J	RWQ2	Result values are less than than 3 times the MDC
169150	Radionuclides	HASL-300:ISOU	GU060800E06002	Uranium-238	J+	R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
169603	General Inorganic	EPA:160.2	GU060800E03902	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 includ
169603	General Inorganic	EPA:335.3	GU060800E03902	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the MDL
169603	General Inorganic	SW-846:9012A	GU060800E03902	Cyanide, Amenable	UJ	IWQ6	Non-specified quality control failure - see validation report
169603	Metals	EPA:200.7	GF060800E03902	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1016	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1221	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1232	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1242	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1248	UJ	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,

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1254	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1260	UJ	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,
169603	Pesticides PCBs	EPA:608	GU060800E03902	Aroclor-1262	UJ	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,
169603	Radionuclides	EPA:901.1	GU060800E03902	Cesium-137	J	RWQ2	Result values are less than than 3 times the MDC
169603	Radionuclides	EPA:901.1	GU060800E03902	Cobalt-60	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169603	Radionuclides	EPA:901.1	GU060800E03902	Neptunium-237	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169603	Radionuclides	EPA:901.1	GU060800E03902	Sodium-22	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169603	Radionuclides	Generic:Alpha-Spec	GU060800E03902	Thorium-228	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169603	Radionuclides	Generic:Alpha-Spec	GU060800E03902	Thorium-230	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169603	Radionuclides	Generic:Alpha-Spec	GU060800E03902	Thorium-232	J	R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
169603	Radionuclides	HASL-300:ISOU	GU060800E03902	Uranium-234	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
169603	Radionuclides	HASL-300:ISOU	GU060800E03902	Uranium-235/236	U	R5	Analyte is not detected because the amount reported is less than the MDC.
169603	Radionuclides	HASL-300:ISOU	GU060800E03902	Uranium-238	R	R7c	The affected analytes are qualified as as rejected because the RER was greater than 4
171393	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	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 includ
171393	General Inorganic	EPA:351.2	GU060700G06R01	Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the MDL
171709	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
171709	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
171709	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	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 includ
171709	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
171709	General Inorganic	EPA:350.1	GF060700P06001	Ammonia as Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
171709	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	J	I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
171709	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	J	I14b	The matrix-spike analysis was not performed on a sample associated with this request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code/Explanation	
171709	General Inorganic	EPA:350.1	GF060700P06090	Ammonia as Nitrogen	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 includ
171709	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	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 includ
171709	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	J	IWQ6	Non-specified quality control failure - see validation report
171709	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	J-	I3f	The spike percent recovery value is less than 30% and the sample result is a detect, which indicates a potential low bias.
171709	General Inorganic	EPA:351.2	GF060700P06001	Total Kjeldahl Nitrogen	R	IWQ6	Non-specified quality control failure - see validation report
171709	General Inorganic	EPA:351.2	GF060700P06090	Total Kjeldahl Nitrogen	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 includ
171709	General Inorganic	EPA:351.2	GF060700P06090	Total Kjeldahl Nitrogen	J-	I3f	The spike percent recovery value is less than 30% and the sample result is a detect, which indicates a potential low bias.

[a] U = The analyte is classified as not detected.

[b] J = The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual.

[c] UJ = The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

[d] J- = The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[e] R = The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.

[f] JN- = Presumptive evidence of the presence of the material at an estimated quantity with a suspected negative bias.

[g] J+ = The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

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Appendix E

Screening Results

Table E-1
Groundwater Radionuclides

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	Anyl Meth Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	DOE DCG Scr Lvl	DOE DCG Ratio (Result/ Scr Level)	DOE DW DCG Scr Lvl	DOE DW DCG Ratio (Result/ Scr Level)	EPA MCL	EPA MCL Ratio (Result/ STD)	EPA SMCL Scr Lvl	EPA SMCL Ratio (Result/ Scr Level)	NMED Rad Prot Scr Lvl	NMED Rad Prot Ratio (Result/ Scr Level)
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Am-241	UF	CS	—	—	0.0714	0.0144	0.0261	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.06	—	—	—	—	20	0
Alluvial	APCO-1	SINGLE	4.7	08/08/06	GROSSA	UF	CS	—	—	5.28	1.49	3.7	pCi/L	EPA:900	—	J	RWQ2	30	0.18	—	—	15	0.35	—	—	—	—
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Pu-239,240	F	CS	—	—	0.0691	0.014	0.0267	pCi/L	HASL-300:ISOPU	—	J	RWQ2	30	0	1.2	0.06	—	—	—	—	20	0
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Pu-239,240	UF	CS	—	—	1.5	0.0967	0.0324	pCi/L	HASL-300:ISOPU	—	—	—	30	0.05	1.2	1.25	—	—	—	—	20	0.08
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Sr-90	F	CS	—	—	0.875	0.231	0.656	pCi/L	EPA:905.0	—	J	RWQ2	1000	0	40	0.02	8	0.11	—	—	500	0
Alluvial Spring	DP Spring	—	0	08/03/06	Am-241	F	CS	—	—	0.216	0.0301	0.0276	pCi/L	HASL-300:AM-241	—	J+	R6	30	0.01	1.2	0.18	—	—	—	—	20	0.01
Alluvial Spring	DP Spring	—	0	08/03/06	Am-241	UF	CS	—	—	0.288	0.0346	0.0302	pCi/L	HASL-300:AM-241	—	J+	R6	30	0.01	1.2	0.24	—	—	—	—	20	0.01
Alluvial Spring	DP Spring	—	0	08/03/06	Cs-137	UF	CS	—	—	8.32	1.94	3.35	pCi/L	EPA:901.1	—	J	RWQ2	3000	0	120	0.07	—	—	—	—	1000	0.01
Alluvial Spring	DP Spring	—	0	08/03/06	GROSSB	F	CS	—	—	66.2	2.02	2.3	pCi/L	EPA:900	—	—	—	1000	0.07	—	—	—	—	50	1.32	—	—
Alluvial Spring	DP Spring	—	0	08/03/06	GROSSB	UF	CS	—	—	75.7	3.51	3.63	pCi/L	EPA:900	—	—	—	1000	0.08	—	—	—	—	50	1.51	—	—
Alluvial Spring	DP Spring	—	0	08/03/06	Pu-239,240	F	CS	—	—	0.0995	0.0233	0.0413	pCi/L	HASL-300:ISOPU	—	J	RWQ2	30	0	1.2	0.08	—	—	—	—	20	0
Alluvial Spring	DP Spring	—	0	08/03/06	Pu-239,240	UF	CS	—	—	0.179	0.0319	0.0456	pCi/L	HASL-300:ISOPU	—	—	—	30	0.01	1.2	0.15	—	—	—	—	20	0.01
Alluvial Spring	DP Spring	—	0	08/03/06	Sr-90	F	CS	—	—	31.1	0.932	0.615	pCi/L	EPA:905.0	—	—	—	1000	0.03	40	0.78	8	3.89	—	—	500	0.06
Alluvial Spring	DP Spring	—	0	08/03/06	Sr-90	UF	CS	—	—	26.2	0.976	0.623	pCi/L	EPA:905.0	—	—	—	1000	0.03	40	0.66	8	3.28	—	—	500	0.05
Alluvial	LAO-0.3	—	5.9	07/31/06	Pu-239,240	F	CS	—	—	0.0503	0.0121	0.0217	pCi/L	HASL-300:ISOPU	—	J	RWQ2	30	0	1.2	0.04	—	—	—	—	20	0
Alluvial	LAO-0.3	—	5.9	07/31/06	Pu-239,240	UF	CS	—	—	0.0709	0.0129	0.0233	pCi/L	HASL-300:ISOPU	—	—	—	30	0	1.2	0.06	—	—	—	—	20	0
Alluvial	LAO-0.6	—	8	08/03/06	Am-241	F	CS	—	—	0.0285	0.00787	0.0238	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.02	—	—	—	—	20	0
Alluvial	LAO-0.6	—	8	08/03/06	Am-241	UF	CS	—	—	0.0808	0.0179	0.0276	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.07	—	—	—	—	20	0
Alluvial	LAO-0.6	—	8	08/03/06	Pu-239,240	UF	CS	—	—	0.104	0.0205	0.0432	pCi/L	HASL-300:ISOPU	—	J	RWQ2	30	0	1.2	0.09	—	—	—	—	20	0.01
Alluvial	LAO-1.6g	SINGLE	10.5	08/01/06	Am-241	F	CS	—	—	0.0297	0.0094	0.0279	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.02	—	—	—	—	20	0
Alluvial	LAO-1.6g	SINGLE	10.5	08/01/06	Am-241	UF	CS	—	—	0.0385	0.0123	0.0304	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.03	—	—	—	—	20	0
Alluvial	LAO-2	SINGLE	7	07/27/06	Am-241	UF	CS	—	—	0.0353	0.0108	0.0283	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.03	—	—	—	—	20	0
Alluvial	LAO-2	SINGLE	7	07/27/06	GROSSB	F	CS	—	—	39.8	2.65	2.46	pCi/L	EPA:900	—	—	—	1000	0.04	—	—	—	—	50	0.8	—	—
Alluvial	LAO-2	SINGLE	7	07/27/06	GROSSB	UF	CS	—	—	34.8	1.65	3.04	pCi/L	EPA:900	—	—	—	1000	0.03	—	—	—	—	50	0.7	—	—
Alluvial	LAO-2	SINGLE	7	07/27/06	Sr-90	F	CS	—	—	8.02	0.266	0.217	pCi/L	EPA:905.0	—	—	—	1000	0.01	40	0.2	8	1	—	—	500	0.02
Alluvial	LAO-2	SINGLE	7	07/27/06	Sr-90	UF	CS	—	—	9.5	0.313	0.283	pCi/L	EPA:905.0	—	—	—	1000	0.01	40	0.24	8	1.19	—	—	500	0.02
Intermediate	LAOI(a)-1.1	SINGLE	295	08/07/06	Am-241	UF	CS	—	—	0.107	0.0208	0.0315	pCi/L	HASL-300:AM-241	—	—	—	30	0	1.2	0.09	—	—	—	—	20	0.01

Table E-1 (continued)
Groundwater Radionuclides

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	Anyl Meth Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	DOE DCG Scr Lvl	DOE DCG Ratio (Result/ Scr Level)	DOE DW DCG Scr Lvl	DOE DW DCG Ratio (Result/ Scr Level)	EPA MCL	EPA MCL Ratio (Result/ STD)	EPA SMCL Scr Lvl	EPA SMCL Ratio (Result/ Scr Level)	NMED Rad Prot Scr Lvl	NMED Rad Prot Ratio (Result/ Scr Level)
Intermediate	LAOI-7	SINGLE	240	08/01/06	Pu-238	F	CS	—	—	0.0358	0.00878	0.0181	pCi/L	HASL-300:ISOPU	—	J	RWQ2	40	0	1.6	0.02	—	—	—	—	20	0
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Sr-90	F	CS	—	—	0.664	0.178	0.489	pCi/L	EPA:905.0	—	J	RWQ2	1000	0	40	0.02	8	0.08	—	—	500	0
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Sr-90	UF	CS	—	—	0.456	0.132	0.398	pCi/L	EPA:905.0	—	J	RWQ2	1000	0	40	0.01	8	0.06	—	—	500	0
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Am-241	UF	CS	—	—	0.0653	0.0182	0.0273	pCi/L	HASL-300:AM-241	—	J	RWQ2	30	0	1.2	0.05	—	—	—	—	20	0
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Pu-239,240	F	CS	—	—	0.271	0.0246	0.019	pCi/L	HASL-300:ISOPU	—	—	—	30	0.01	1.2	0.23	—	—	—	—	20	0.01
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Pu-239,240	UF	CS	—	—	1.17	0.0694	0.0205	pCi/L	HASL-300:ISOPU	—	—	—	30	0.04	1.2	0.98	—	—	—	—	20	0.06
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Sr-90	F	CS	—	—	1.41	0.269	0.689	pCi/L	EPA:905.0	—	J	RWQ2	1000	0	40	0.04	8	0.18	—	—	500	0
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Pu-239,240	F	CS	—	—	0.124	0.0186	0.0263	pCi/L	HASL-300:ISOPU	—	—	—	30	0	1.2	0.1	—	—	—	—	20	0.01
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Pu-239,240	UF	CS	—	—	0.165	0.0238	0.0343	pCi/L	HASL-300:ISOPU	—	—	—	30	0.01	1.2	0.14	—	—	—	—	20	0.01
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Sr-90	F	CS	—	—	1.53	0.233	0.534	pCi/L	EPA:905.0	—	J	RWQ2	1000	0	40	0.04	8	0.19	—	—	500	0
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Sr-90	UF	CS	—	—	1.23	0.183	0.39	pCi/L	EPA:905.0	—	—	—	1000	0	40	0.03	8	0.15	—	—	500	0
Regional	R-9	SINGLE	684	07/31/06	Pu-238	UF	CS	FB	—	0.0243	0.00733	0.018	pCi/L	HASL-300:ISOPU	—	J	RWQ2	40	0	1.6	0.02	—	—	—	—	20	0

Groundwater General Inorganics

Analyte	Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std UOM	Lab Qual Code	Concat Flag Code	Concat Reason Code	EPA MCL	EPA MCL Ratio (Result/ STD)	EPA SMCL Scr Lvl	EPA SMCL Ratio (Result/ Scr Level)	NMGS	NMGS Ratio (Result/ STD)
Na	Alluvial	APCO-1	SINGLE	4.7	08/08/06	F	—	CS	—	51.4	mg/L	—	—	—	Na	Alluvial	—	—	—	—	1.6	0.66
Na	Alluvial	APCO-1	SINGLE	4.7	08/08/06	UF	—	CS	—	53.1	mg/L	—	—	—	Na	Alluvial	—	—	—	—	1.6	0.7
TDS	Alluvial	APCO-1	SINGLE	4.7	08/08/06	F	—	CS	—	331	mg/L	—	—	—	TDS	Alluvial	—	—	—	—	1.6	0.64
TDS	Alluvial	APCO-1	SINGLE	4.7	08/08/06	UF	—	CS	—	419	mg/L	—	—	—	TDS	Alluvial	—	—	—	—	1.6	0.66
F(-1)	Alluvial Spring	DP Spring	—	0	08/03/06	F	—	CS	—	1.03	mg/L	—	—	—	F(-1)	Alluvial Spring	—	—	—	—	1.6	0.51
F(-1)	Alluvial Spring	DP Spring	—	0	08/03/06	UF	—	CS	—	1.05	mg/L	—	—	—	F(-1)	Alluvial Spring	10	0.52	—	—	10	0.52
Na	Alluvial Spring	DP Spring	—	0	08/03/06	F	—	CS	—	62.2	mg/L	—	—	—	Na	Alluvial Spring	10	0.51	—	—	10	0.51
Na	Alluvial Spring	DP Spring	—	0	08/03/06	UF	—	CS	—	61.5	mg/L	—	—	—	Na	Alluvial Spring	—	—	20	1.74	—	—
TDS	Alluvial Spring	DP Spring	—	0	08/03/06	UF	—	CS	—	263	mg/L	—	—	—	TDS	Alluvial Spring	—	—	20	1.7	—	—

Table E-1 (continued)
General Inorganics

Analyte	Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std UOM	Lab Qual Code	Concat Flag Code	Concat Reason Code	EPA MCL	EPA MCL Ratio (Result/ STD)	EPA SMCL Scr Lvl	EPA SMCL Ratio (Result/ Scr Level)	NMGS	NMGS Ratio (Result/ STD)
Na	Alluvial	LAO-0.3	—	5.9	07/31/06	F	—	CS	—	53.5	mg/L	—	—	—	Na	Alluvial	—	—	20	1.71	—	—
Na	Alluvial	LAO-0.3	—	5.9	07/31/06	UF	—	CS	—	10.8	mg/L	—	—	—	Na	Alluvial	—	—	20	1.76	—	—
Na	Alluvial	LAO-0.6	—	8	08/03/06	F	—	CS	—	64.5	mg/L	—	—	—	Na	Alluvial	—	—	20	3.15	—	—
Na	Alluvial	LAO-0.6	—	8	08/03/06	UF	—	CS	—	64.5	mg/L	—	—	—	Na	Alluvial	—	—	20	3.28	—	—
TDS	Alluvial	LAO-0.6	—	8	08/03/06	F	—	CS	—	300	mg/L	—	—	—	TDS	Alluvial	—	—	20	2.57	—	—
TDS	Alluvial	LAO-0.6	—	8	08/03/06	UF	—	CS	—	305	mg/L	—	—	—	TDS	Alluvial	—	—	20	2.66	—	—
Na	Alluvial	LAO-1.6g	SINGLE	10.47	08/01/06	F	—	CS	—	43.6	mg/L	—	—	—	Na	Alluvial	—	—	20	2.25	—	—
Na	Alluvial	LAO-1.6g	SINGLE	10.47	08/01/06	UF	—	CS	—	43.1	mg/L	—	—	—	Na	Alluvial	—	—	20	2.34	—	—
F(-1)	Alluvial	LAO-2	SINGLE	7	07/27/06	F	—	CS	—	0.809	mg/L	—	—	—	F(-1)	Alluvial	—	—	20	0.73	—	—
Na	Alluvial	LAO-2	SINGLE	7	07/27/06	F	—	CS	—	57.9	mg/L	—	—	—	Na	Alluvial	—	—	20	0.75	—	—
Na	Alluvial	LAO-2	SINGLE	7	07/27/06	UF	—	CS	—	55.7	mg/L	—	—	—	Na	Alluvial	—	—	20	0.81	—	—
TDS	Alluvial	LAO-2	SINGLE	7	07/27/06	F	—	CS	—	269	mg/L	—	—	—	TDS	Alluvial	—	—	20	0.83	—	—
TDS	Alluvial	LAO-2	SINGLE	7	07/27/06	UF	—	CS	—	268	mg/L	N	—	—	TDS	Alluvial	—	—	20	0.63	—	—
Na	Alluvial	LAO-B	SINGLE	11.84	08/03/06	F	—	CS	—	11.6	mg/L	N	—	—	Na	Alluvial	—	—	20	0.57	—	—
Na	Alluvial	LAO-B	SINGLE	11.84	08/03/06	UF	—	CS	—	11.8	mg/L	N	—	—	Na	Alluvial	—	—	20	0.63	—	—
Na	Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	F	—	CS	—	17.4	mg/L	N	—	—	Na	Intermediate	—	—	20	0.63	—	—
Na	Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	UF	—	CS	—	18.2	mg/L	—	—	—	Na	Intermediate	—	—	20	1.03	—	—
Na	Intermediate	LAOI-7	SINGLE	240	08/01/06	F	FD	CS	—	10.8	mg/L	—	—	—	Na	Intermediate	—	—	20	1.03	—	—
Na	Intermediate	LAOI-7	SINGLE	240	08/01/06	F	—	CS	—	10.9	mg/L	—	—	—	Na	Intermediate	—	—	20	3.11	—	—
Na	Intermediate	LAOI-7	SINGLE	240	08/01/06	UF	FD	CS	—	10.4	mg/L	—	—	—	Na	Intermediate	—	—	20	3.08	—	—
Na	Alluvial	PAO-1	SINGLE	5.89	08/10/06	F	—	CS	—	34.7	mg/L	—	—	—	Na	Alluvial	—	—	20	0.58	—	—
Na	Alluvial	PAO-1	SINGLE	5.89	08/10/06	UF	—	CS	—	33.9	mg/L	—	—	—	Na	Alluvial	—	—	20	0.59	—	—
Na	Alluvial	PAO-2	SINGLE	6.06	08/10/06	F	—	CS	—	34.2	mg/L	N	J	IWQ6	Na	Alluvial	—	—	20	2.68	—	—
Na	Alluvial	PAO-2	SINGLE	6.06	08/10/06	UF	—	CS	—	35.1	mg/L	N	J	IWQ6	Na	Alluvial	—	—	20	0.54	—	—
Na	Alluvial	PAO-4	SINGLE	1.97	08/10/06	F	—	CS	—	63	mg/L	—	—	—	Na	Alluvial	—	—	20	3.23	—	—
Na	Alluvial	PAO-4	SINGLE	1.97	08/10/06	UF	—	CS	—	65.5	mg/L	—	—	—	Na	Alluvial	—	—	20	3.23	—	—
TDS	Alluvial	PAO-4	SINGLE	1.97	08/10/06	F	—	CS	—	436	mg/L	—	—	—	TDS	Alluvial	—	—	20	2.18	—	—
TDS	Alluvial	PAO-4	SINGLE	1.97	08/10/06	UF	—	CS	—	319	mg/L	—	—	—	TDS	Alluvial	—	—	20	2.16	—	—
NO3+NO2-N	Intermediate	POI-4	SINGLE	159	08/08/06	F	—	CS	—	5.2	mg/L	—	—	—	NO3+NO2-N	Intermediate	—	—	20	2.9	—	—
NO3+NO2-N	Intermediate	POI-4	SINGLE	159	08/08/06	UF	—	CS	—	5.06	mg/L	—	—	—	NO3+NO2-N	Intermediate	—	—	20	2.79	—	—
Na	Intermediate	POI-4	SINGLE	159	08/08/06	F	—	CS	—	44.9	mg/L	—	—	—	Na	Intermediate	—	—	20	1.01	—	—
Na	Intermediate	POI-4	SINGLE	159	08/08/06	UF	—	CS	—	46.7	mg/L	—	—	—	Na	Intermediate	—	—	20	0.93	—	—
TDS	Intermediate	POI-4	SINGLE	159	08/08/06	F	—	CS	—	366	mg/L	—	—	—	TDS	Intermediate	—	—	20	0.87	—	—
TDS	Intermediate	POI-4	SINGLE	159	08/08/06	UF	—	CS	—	366	mg/L	—	—	—	TDS	Intermediate	—	—	20	0.91	—	—
Na	Regional	R-2	SINGLE	918	07/24/06	F	—	CS	—	16.1	mg/L	—	—	—	Na	Regional	—	—	20	0.54	—	—

Table E-1 (continued)
General Inorganics

Analyte	Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std UOM	Lab Qual Code	Concat Flag Code	Concat Reason Code	EPA MCL	EPA MCL Ratio (Result/ STD)	EPA SMCL Scr Lvl	EPA SMCL Ratio (Result/ Scr Level)	NMGS	NMGS Ratio (Result/ STD)
Na	Regional	R-2	SINGLE	918	07/24/06	UF	—	CS	—	16.5	mg/L	—	—	—	Na	Regional	—	—	20	0.55	—	—
Na	Regional	R-24	SINGLE	825	07/27/06	F	FD	CS	—	31.5	mg/L	—	—	—	Na	Regional	—	—	20	0.52	—	—
Na	Regional	R-24	SINGLE	825	07/27/06	F	—	CS	—	30.9	mg/L	—	—	—	Na	Regional	—	—	20	0.77	—	—
Na	Regional	R-24	SINGLE	825	07/27/06	UF	FD	CS	—	30.4	mg/L	—	—	—	Na	Regional	—	—	20	0.78	—	—
Na	Regional	R-24	SINGLE	825	07/27/06	UF	—	CS	—	30.5	mg/L	—	—	—	Na	Regional	—	—	20	0.73	—	—
Na	Regional	R-4	SINGLE	792.9	07/25/06	F	FD	CS	—	12.5	mg/L	—	—	—	Na	Regional	—	—	20	0.74	—	—
Na	Regional	R-4	SINGLE	792.9	07/25/06	F	—	CS	—	11.3	mg/L	—	—	—	Na	Regional	—	—	20	0.93	—	—
Na	Regional	R-4	SINGLE	792.9	07/25/06	UF	FD	CS	—	12.6	mg/L	—	—	—	Na	Regional	—	—	20	0.91	—	—
Na	Regional	R-4	SINGLE	792.9	07/25/06	UF	—	CS	—	12.6	mg/L	—	—	—	Na	Regional	—	—	20	0.88	—	—
F(-1)	Intermediate	R-5	MULTI	383.9	07/25/06	F	—	CS	—	1.06	mg/L	—	—	—	F(-1)	Intermediate	—	—	20	0.89	—	—
F(-1)	Intermediate	R-5	MULTI	383.9	07/25/06	UF	—	CS	—	1.12	mg/L	—	—	—	F(-1)	Intermediate	—	—	20	1.58	—	—
Na	Intermediate	R-5	MULTI	383.9	07/25/06	F	—	CS	—	14.6	mg/L	—	—	—	Na	Intermediate	—	—	20	1.55	—	—
Na	Intermediate	R-5	MULTI	383.9	07/25/06	UF	—	CS	—	14.9	mg/L	—	—	—	Na	Intermediate	—	—	20	1.52	—	—
Na	Regional	R-5	MULTI	718.6	07/26/06	F	—	CS	—	20.6	mg/L	—	—	—	Na	Regional	—	—	20	1.53	—	—
Na	Regional	R-5	MULTI	718.6	07/26/06	UF	—	CS	—	20.6	mg/L	—	—	—	Na	Regional	—	—	500	0.87	—	—
Na	Regional	R-6	SINGLE	1205	07/26/06	F	FD	CS	—	15.4	mg/L	—	—	—	Na	Regional	—	—	500	0.64	—	—
Na	Regional	R-6	SINGLE	1205	07/26/06	F	—	CS	—	15.6	mg/L	—	—	—	Na	Regional	—	—	500	0.66	—	—
Na	Regional	R-6	SINGLE	1205	07/26/06	UF	FD	CS	—	14.5	mg/L	—	—	—	Na	Regional	—	—	500	0.84	—	—
Na	Regional	R-6	SINGLE	1205	07/26/06	UF	—	CS	—	14.7	mg/L	—	—	—	Na	Regional	—	—	500	0.73	—	—
Na	Intermediate	R-6i	SINGLE	602	07/26/06	F	—	CS	—	20.2	mg/L	—	—	—	Na	Intermediate	—	—	500	0.73	—	—
Na	Intermediate	R-6i	SINGLE	602	07/26/06	UF	—	CS	—	18.6	mg/L	—	—	—	Na	Intermediate	—	—	500	0.53	—	—
Na	Regional	R-9	SINGLE	684	07/31/06	F	FD	CS	—	18.5	mg/L	—	—	—	Na	Regional	—	—	500	0.6	—	—
Na	Regional	R-9	SINGLE	684	07/31/06	F	—	CS	—	18.1	mg/L	—	—	—	Na	Regional	—	—	500	0.61	—	—
TDS	Regional	R-9	SINGLE	684	07/31/06	UF	FD	CS	—	258	mg/L	—	—	—	TDS	Regional	—	—	500	0.54	—	—

Table E-1 (continued)
Groundwater Perchlorate

Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Meth Code	Symbol	Std Result	Std Mdl	Std UOM	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code
Alluvial	PAO-1	SINGLE	6	08/10/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
Alluvial	PAO-2	SINGLE	6	08/10/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
Alluvial	PAO-4	SINGLE	2	08/10/06	—	F	CS	SW846 6850 Modified	—	0.051	0.05	µg/L	1	J	—	—
Alluvial	APCO-1	SINGLE	5	08/08/06	—	F	CS	SW846 6850 Modified	—	0.135	0.05	µg/L	1	J	—	—
Intermediate	POI-4	SINGLE	159	08/08/06	—	F	CS	SW846 6850 Modified	—	0.282	0.05	µg/L	1	—	—	—
Intermediate	R-5	MULTI	384	07/25/06	—	F	CS	SW846 6850 Modified	—	1.65	0.2	µg/L	4	—	J	LMS1
Regional	R-2	SINGLE	918	07/24/06	—	F	CS	SW846 6850 Modified	—	0.375	0.05	µg/L	1	—	—	—
Regional	R-4	SINGLE	793	07/25/06	—	F	CS	EPA:314.0	—	4.35	4	µg/L	1	J	—	—
Regional	R-4	SINGLE	793	07/25/06	—	F	CS	SW846 6850 Modified	—	4.51	0.5	µg/L	10	—	J	LMS1, LRP1
Regional	R-4	SINGLE	793	07/25/06	FD	F	CS	EPA:314.0	—	4.31	4	µg/L	1	J	—	—
Regional	R-4	SINGLE	793	07/25/06	FD	F	CS	SW846 6850 Modified	—	4.65	0.5	µg/L	10	—	J	LMS1, LRP1
Regional	R-4	SINGLE	793	07/25/06	FB	UF	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	UJ	LMS1, LRP1
Regional	R-5	MULTI	719	07/26/06	—	F	CS	SW846 6850 Modified	—	1.21	0.2	µg/L	4	—	—	—
Regional	R-5	MULTI	861	07/27/06	—	F	CS	SW846 6850 Modified	—	0.256	0.05	µg/L	1	—	—	—
Alluvial Spring	DP Spring	—	0	08/03/06	—	F	CS	SW846 6850 Modified	—	0.26	0.05	µg/L	1	—	—	—
Alluvial	LAO-B	SINGLE	12	08/03/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
Alluvial	LAO-0.3	—	6	07/31/06	—	F	CS	SW846 6850 Modified	—	0.0765	0.05	µg/L	1	J	—	—
Alluvial	LAO-0.6	—	8	08/03/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
Alluvial	LAO-1.6g	SINGLE	10	08/01/06	—	F	CS	SW846 6850 Modified	—	0.151	0.05	µg/L	1	J	—	—
Alluvial	LAO-2	SINGLE	7	07/27/06	—	F	CS	SW846 6850 Modified	—	0.451	0.05	µg/L	1	—	—	—
Intermediate	LAOI(a)-1.1	SINGLE	295	08/04/06	—	F	CS	SW846 6850 Modified	—	0.175	0.05	µg/L	1	J	—	—
Intermediate	R-6i	SINGLE	602	07/26/06	—	F	CS	EPA:314.0	—	6.5	4	µg/L	1	J	—	—
Intermediate	R-6i	SINGLE	602	07/26/06	—	F	CS	SW846 6850 Modified	—	8.32	1	µg/L	20	—	J	LMS1
Intermediate	LAOI-3.2	SINGLE	153	07/25/06	—	F	CS	SW846 6850 Modified	—	3.01	0.25	µg/L	5	—	J	LMS1
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	F	CS	SW846 6850 Modified	—	0.796	0.05	µg/L	1	—	—	—
Intermediate	LAOI-7	SINGLE	240	08/01/06	FD	F	CS	SW846 6850 Modified	—	0.81	0.05	µg/L	1	—	—	—
Regional	R-8	MULTI	711	08/01/06	—	F	CS	SW846 6850 Modified	—	0.289	0.05	µg/L	1	—	—	—
Regional	R-6	SINGLE	1205	07/26/06	—	F	CS	SW846 6850 Modified	—	0.371	0.05	µg/L	1	—	J	LMS1
Regional	R-6	SINGLE	1205	07/26/06	FD	F	CS	SW846 6850 Modified	—	0.371	0.05	µg/L	1	—	J	LMS1
Regional	R-9	SINGLE	684	07/31/06	—	F	CS	SW846 6850 Modified	—	0.884	0.05	µg/L	1	—	—	—
Regional	R-9	SINGLE	684	07/31/06	FD	F	CS	SW846 6850 Modified	—	0.896	0.05	µg/L	1	—	—	—
Regional	R-9	SINGLE	684	07/31/06	FB	UF	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
Regional	R-24	SINGLE	825	07/27/06	—	F	CS	SW846 6850 Modified	—	0.323	0.05	µg/L	1	—	J	LP3
Regional	R-24	SINGLE	825	07/27/06	FD	F	CS	SW846 6850 Modified	—	0.308	0.05	µg/L	1	—	J	LP3

Table E-1 (continued)
Groundwater Metals

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 Mdl	Std UOM	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	EPA MCL		EPA SMCL		NMGS	
																	Std	Ratio (Result/Std Level)	Std	Ratio (Result/Scr Level)	Std	Ratio (Result/Scr Level)
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Al	F	CS	—	—	1770	68	µg/L				SW-846:6010B			50	35.4		
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Al	UF	CS	—	—	10400	68	µg/L				SW-846:6010B			50	208	5000	2.08
Alluvial	APCO-1	SINGLE	4.7	08/08/06	As	F	CS	—	—	9	6	µg/L	J			SW-846:6010B	10	0.9				
Alluvial	APCO-1	SINGLE	4.7	08/08/06	As	UF	CS	—	—	6.7	6	µg/L	J			SW-846:6010B	10	0.67				
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Fe	F	CS	—	—	1620	18	µg/L				SW-846:6010B			300	5.4	1000	1.62
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Fe	UF	CS	—	—	6880	18	µg/L				SW-846:6010B			300	22.93	1000	6.88
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Mn	F	CS	—	—	1810	2	µg/L				SW-846:6010B			50	36.2	200	9.05
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Mn	UF	CS	—	—	1990	2	µg/L				SW-846:6010B			50	39.8	200	9.95
Alluvial	APCO-1	SINGLE	4.7	08/08/06	Pb	UF	CS	—	—	7.5	0.5	µg/L				SW-846:6020	15	0.5	15	0.5		
Alluvial Spring	DP Spring	—	0	08/03/06	Al	F	CS	—	—	2690	68	µg/L				SW-846:6010B			50	53.8	5000	0.54
Alluvial Spring	DP Spring	—	0	08/03/06	Al	UF	CS	—	—	4450	68	µg/L				SW-846:6010B			50	89	5000	0.89
Alluvial Spring	DP Spring	—	0	08/03/06	As	UF	CS	—	—	6.1	6	µg/L	J			SW-846:6010B	10	0.61				
Alluvial Spring	DP Spring	—	0	08/03/06	Fe	F	CS	—	—	1320	18	µg/L				SW-846:6010B			300	4.4	1000	1.32
Alluvial Spring	DP Spring	—	0	08/03/06	Fe	UF	CS	—	—	2200	18	µg/L				SW-846:6010B			300	7.33	1000	2.2
Alluvial	LAO-0.6	—	8	08/03/06	Al	F	CS	—	—	697	68	µg/L				SW-846:6010B			50	13.94		
Alluvial	LAO-0.6	—	8	08/03/06	Al	UF	CS	—	—	897	68	µg/L				SW-846:6010B			50	17.94		
Alluvial	LAO-0.6	—	8	08/03/06	Fe	F	CS	—	—	330	18	µg/L				SW-846:6010B			300	1.1		
Alluvial	LAO-0.6	—	8	08/03/06	Fe	UF	CS	—	—	459	18	µg/L				SW-846:6010B			300	1.53		
Alluvial	LAO-0.6	—	8	08/03/06	Mn	UF	CS	—	—	75.6	2	µg/L				SW-846:6010B			50	1.51		
Alluvial	LAO-1.6g	SINGLE	10.47	08/01/06	Al	UF	CS	—	—	86	68	µg/L	J			SW-846:6010B			50	1.72		
Alluvial	LAO-2	SINGLE	7	07/27/06	Al	F	CS	—	—	785	68	µg/L				SW-846:6010B			50	15.7		
Alluvial	LAO-2	SINGLE	7	07/27/06	Al	UF	CS	—	—	759	68	µg/L				SW-846:6010B			50	15.18		
Alluvial	LAO-2	SINGLE	7	07/27/06	Fe	F	CS	—	—	375	18	µg/L				SW-846:6010B			300	1.25		
Alluvial	LAO-2	SINGLE	7	07/27/06	Fe	UF	CS	—	—	418	18	µg/L				SW-846:6010B			300	1.39		
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/04/06	Al	F	CS	—	—	85.6	68	µg/L	J			SW-846:6010B			50	1.71		
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/07/06	Al	UF	CS	—	—	1170	68	µg/L				SW-846:6010B			50	23.4		
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/07/06	Fe	UF	CS	—	—	467	18	µg/L				SW-846:6010B			300	1.56		
Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	Al	UF	CS	—	—	114	68	µg/L	J			SW-846:6010B			50	2.28		
Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	Mn	F	CS	—	—	30.5	2	µg/L				SW-846:6010B			50	0.61		
Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	Mn	UF	CS	—	—	34.6	2	µg/L				SW-846:6010B			50	0.69		
Intermediate	LAOI-7	SINGLE	240	08/01/06	Fe	UF	CS	FD	—	169	18	µg/L				SW-846:6010B			300	0.56		
Intermediate	LAOI-7	SINGLE	240	08/01/06	Fe	UF	CS	—	—	230	18	µg/L				SW-846:6010B			300	0.77		
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Al	F	CS	—	—	387	68	µg/L				SW-846:6010B			50	7.74		
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Al	UF	CS	—	—	1090	68	µg/L				SW-846:6010B			50	21.8		

Table E-1 (continued)
Groundwater Metals (continued)

Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone	Zone
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Fe	F	CS	—	—	211	18	µg/L				SW-846:6010B			300	0.7		
Alluvial	PAO-1	SINGLE	5.89	08/10/06	Fe	UF	CS	—	—	595	18	µg/L	—	—	—	SW-846:6010B	—	—	300	1.98	1000	0.6
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Al	F	CS	—	—	2240	68	µg/L	—	—	—	SW-846:6010B	—	—	50	44.8	—	—
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Al	UF	CS	—	—	3750	68	µg/L	—	—	—	SW-846:6010B	—	—	50	75	5000	0.75
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Fe	F	CS	—	—	1270	18	µg/L	—	—	—	SW-846:6010B	—	—	300	4.23	1000	1.27
Alluvial	PAO-2	SINGLE	6.06	08/10/06	Fe	UF	CS	—	—	2080	18	µg/L	—	—	—	SW-846:6010B	—	—	300	6.93	1000	2.08
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Al	UF	CS	—	—	92.9	68	µg/L	J	—	—	SW-846:6010B	—	—	50	1.86	—	—
Alluvial	PAO-4	SINGLE	1.97	08/10/06	As	F	CS	—	—	6.1	6	µg/L	J	—	—	SW-846:6010B	10	0.61	—	—	—	—
Alluvial	PAO-4	SINGLE	1.97	08/10/06	B	UF	CS	—	—	383	10	µg/L	—	—	—	SW-846:6010B	—	—	—	—	750	0.51
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Fe	F	CS	—	—	407	18	µg/L	—	—	—	SW-846:6010B	—	—	300	1.36	—	—
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Fe	UF	CS	—	—	400	18	µg/L	—	—	—	SW-846:6010B	—	—	300	1.33	—	—
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Mn	F	CS	—	—	397	2	µg/L	—	—	—	SW-846:6010B	—	—	50	7.94	200	1.99
Alluvial	PAO-4	SINGLE	1.97	08/10/06	Mn	UF	CS	—	—	380	2	µg/L	—	—	—	SW-846:6010B	—	—	50	7.6	200	1.9
Regional	R-2	SINGLE	918	07/24/06	Al	F	CS	—	—	115	68	µg/L	J	—	—	SW-846:6010B	—	—	50	2.3	—	—
Regional	R-2	SINGLE	918	07/24/06	Al	UF	CS	—	—	800	68	µg/L	—	—	—	SW-846:6010B	—	—	50	16	—	—
Regional	R-2	SINGLE	918	07/24/06	Fe	UF	CS	—	—	314	18	µg/L	—	—	—	SW-846:6010B	—	—	300	1.05	—	—
Regional	R-24	SINGLE	825	07/27/06	As	UF	CS	—	—	6.2	6	µg/L	J	—	—	SW-846:6010B	10	0.62	—	—	—	—
Regional	R-6	SINGLE	1205	07/26/06	Al	UF	CS	FD	—	98.6	68	µg/L	J	—	—	SW-846:6010B	—	—	50	1.97	—	—
Regional	R-6	SINGLE	1205	07/26/06	Al	UF	CS	—	—	112	68	µg/L	J	—	—	SW-846:6010B	—	—	50	2.24	—	—
Regional	R-6	SINGLE	1205	07/26/06	Fe	UF	CS	FD	—	152	18	µg/L	—	J+	IWQ6	SW-846:6010B	—	—	300	0.51	—	—
Intermediate	R-6i	SINGLE	602	07/26/06	Fe	UF	CS	—	—	164	18	µg/L	—	J+	IWQ6	SW-846:6010B	—	—	300	0.55	—	—
Regional	R-8	MULTI	711.1	08/01/06	Pb	F	CS	—	—	10.3	0.5	µg/L	—	—	—	SW-846:6020	15	0.69	15	0.69	—	—
Regional	R-8	MULTI	711.1	08/01/06	Tl	F	CS	—	—	1	0.4	µg/L	—	—	—	SW-846:6020	2	0.5	—	—	—	—
Regional	R-9	SINGLE	684	07/31/06	Mn	F	CS	FD	—	32.5	2	µg/L	—	—	—	SW-846:6010B			50	0.65	—	—
Regional	R-9	SINGLE	684	07/31/06	Mn	F	CS	—	—	30.6	2	µg/L	—	—	—	SW-846:6010B			50	0.61	—	—
Regional	R-9	SINGLE	684	07/31/06	Mn	UF	CS	FD	—	31.2	2	µg/L	—	—	—	SW-846:6010B			50	0.62	—	—
Regional	R-9	SINGLE	684	07/31/06	Mn	UF	CS	—	—	31.2	2	µg/L	—	—	—	SW-846:6010B			50	0.62	—	—

—* = No data.

Table E-1 (continued)
Groundwater Organics

Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std UOM	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lvl Type Code	EPA MCL		EPA TAP SCRN LVL				NMGS	
																			Risk Code			C	C	N	N		
																				Scr Lvl	Ratio (Result/ Scr Level)	Scr Lvl	Ratio (Result / Scr Level)	Scr Lvl	Ratio (Result / Scr Level)	Std	Ratio (Result/Std)
Alluvial	PAO-4	SINGLE	1.97	08/10/06	—	UF	CS	Di-n-octylphthalate	117-84-0	—	4.56	3.06	µg/L	1	J	—	—	SW-846:8270C	—	—	—	—	—	1460	0	—	—
Intermediate	R-6i	SINGLE	602	07/26/06	—	UF	CS	Dioxane[1,4-]	123-91-1	—	2.66	1.04	µg/L	1	J	J	SV16	SW-846:8270C	—	—	—	6.11	0.44	—	—	—	—
Intermediate	LAOI-7	SINGLE	240	08/01/06	FD	UF	CS	Methylphenol[2-]	95-48-7	—	5.58	2.04	µg/L	1	J	—	—	SW-846:8270C	—	—	—	—	—	1825	0	—	—
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	UF	CS	Methylphenol[2-]	95-48-7	—	5.03	2.06	µg/L	1	J	—	—	SW-846:8270C	—	—	—	—	—	1825	0	—	—
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	UF	CS	Naphthalene	91-20-3	—	0.343	0.31	µg/L	1	J	—	—	SW-846:8270C	—	—	—	—	—	6.2	0.06	30	0.01
Alluvial	APCO-1	SINGLE	4.7	08/08/06	—	UF	CS	Acetone	67-64-1	—	4.51	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Intermediate	POI-4	SINGLE	159	08/08/06	—	UF	CS	Acetone	67-64-1	—	3.72	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Alluvial Spring	DP Spring	—	0	08/03/06	FTB	UF	CS	Acetone	67-64-1	—	1.37	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Alluvial	LAO-B	SINGLE	11.84	08/03/06	FB	UF	CS	Acetone	67-64-1	—	11.4	1.25	µg/L	1	—	J+	VWQ2	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Alluvial	LAO-0.3	—	5.9	07/31/06	FTB	UF	CS	Acetone	67-64-1	—	5.87	1.25	µg/L	1	—	J	V14b	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Intermediate	LAOI(a)-1.1	SINGLE	295.2	08/07/06	—	UF	CS	Acetone	67-64-1	—	1.46	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Intermediate	LAOI-3.2	SINGLE	153.3	07/25/06	—	UF	CS	Acetone	67-64-1	—	2.33	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	UF	CS	Acetone	67-64-1	—	2.29	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Regional	R-9	SINGLE	684	07/31/06	FTB	UF	CS	Acetone	67-64-1	—	6.79	1.25	µg/L	1	—	J	V14b	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Regional	R-24	SINGLE	825	07/27/06	FTB	UF	CS	Acetone	67-64-1	—	1.35	1.25	µg/L	1	J	J, J+	V14b, VWQ6, VWQ9	SW-846:8260B	—	—	—	—	—	32850	0	—	—
Regional	R-4	SINGLE	792.9	07/25/06	FB	UF	CS	Butanone[2-]	78-93-3	—	3.17	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	7064.52	0	—	—
Alluvial	LAO-B	SINGLE	11.84	08/03/06	FB	UF	CS	Butanone[2-]	78-93-3	—	4.9	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	7064.52	0	—	—
Regional	R-9	SINGLE	684	07/31/06	FB	UF	CS	Butanone[2-]	78-93-3	—	2.63	1.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	7064.52	0	—	—

Table E-1 (continued)
Groundwater Organics

Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std UOM	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lvl Type Code	EPA MCL		EPA TAP SCRN LVL				NMGS	
																			Risk Code			C	C	N	N		
																				Scr Lvl	Ratio (Result/ Scr Level)	Scr Lvl		Scr Lvl	Ratio (Result/ Scr Level)	Scr Lvl	
Alluvial	PAO-4	SINGLE	1.97	08/10/06	—	UF	CS	Chloroform	67-66-3	—	0.41	0.25	µg/L	1	J	—	—	SW-846:8260B	—	60	0.01	—	—	74.66	0.01	100	0
Alluvial	LAO-B	SINGLE	11.84	08/03/06	—	UF	CS	Chloroform	67-66-3	—	0.467	0.25	µg/L	1	J	—	—	SW-846:8260B	—	60	0.01	—	—	74.66	0.01	100	0
Alluvial	LAO-0.6	—	8	08/03/06	—	UF	CS	Chloroform	67-66-3	—	0.502	0.25	µg/L	1	J	—	—	SW-846:8260B	—	60	0.01	—	—	74.66	0.01	100	0.01
Regional	R-9	SINGLE	684	07/31/06	—	UF	CS	Isopropylbenzene	98-82-8	—	0.299	0.25	µg/L	1	J	—	—	SW-846:8260B	—	—	—	—	—	658.2	0	—	—
Alluvial	PAO-1	SINGLE	5.89	08/10/06	FTB	UF	CS	Methylene Chloride	75-09-2	—	4.79	2	µg/L	1	J	—	—	SW-846:8260B	—	5	0.96	4.28	1.12	—	—	100	0.05
Intermediate	POI-4	SINGLE	159	08/08/06	FTB	UF	CS	Methylene Chloride	75-09-2	—	3.56	2	µg/L	1	J	J	V14b	SW-846:8260B	—	5	0.71	4.28	0.83	—	—	100	0.04
Alluvial	LAUZ-1	SINGLE	5.35	08/02/06	FTB	UF	CS	Methylene Chloride	75-09-2	—	8.58	2	µg/L	1	—	J	V14b	SW-846:8260B	—	5	1.72	4.28	2.01	—	—	100	0.09
Regional	R-2	SINGLE	918	07/24/06	—	UF	CS	Toluene	108-88-3	—	1	0.25	µg/L	1	—	—	—	SW-846:8260B	—	1000	0	—	—	723.42	0	750	0
Alluvial	LAO-2	SINGLE	7	07/27/06	FTB	UF	CS	Toluene	108-88-3	—	0.292	0.25	µg/L	1	J	J	V14b, VWQ6	SW-846:8260B	—	1000	0	—	—	723.42	0	750	0
Intermediate	LAOI-7	SINGLE	240	08/01/06	FD	UF	CS	Toluene	108-88-3	—	45.6	0.25	µg/L	1	—	—	—	SW-846:8260B	—	1000	0.05	—	—	723.42	0.06	750	0.06
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	UF	CS	Toluene	108-88-3	—	104	0.25	µg/L	1	E	J	VWQ5	SW-846:8260B	—	1000	0.1	—	—	723.42	0.14	750	0.14
Intermediate	LAOI-7	SINGLE	240	08/01/06	—	UF	RE	Toluene	108-88-3	—	112	0.5	µg/L	2	—	—	—	SW-846:8260B	—	1000	0.11	—	—	723.42	0.15	750	0.15
Regional	R-9	SINGLE	684	07/31/06	FB	UF	CS	Toluene	108-88-3	—	0.27	0.25	µg/L	1	J	—	—	SW-846:8260B	—	1000	0	—	—	723.42	0	750	0
Regional	R-4	SINGLE	792.9	07/25/06	FB	UF	CS	Trimethylbenzene [1,2,4-]	95-63-6	—	0.328	0.25	µg/L	1	BJ	—	—	SW-846:8260B	—	—	—	—	—	12.43	0.03	—	—

—* = No data.

Table E-1 (continued)
Surface Water Radionuclides

Fld Matrix Code	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	Anyl Meth Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	DOE BCG WATER		NM LVSTKW WTR STD		NMED Rad Prot	
																Scr Lvl	Ration (Results/Scr Level)	Std	Ratio (Results/Std)	Scr Lvl	Ratio (Result/Scr Level)
WS	Acid above Pueblo	07/27/06	Am-241	UF	CS	—	—	0.051	0.0118	0.0253	pCi/L	HASL-300:AM-241	—	J	RWQ2	400	0	—	—	20	0
WS	Pueblo 3	07/28/06	GROSSA	UF	CS	—	—	6.8	1.25	3.5	pCi/L	EPA:900	—	J, J-	R3a, RWQ2	—	—	15	0.45	—	—
WS	DP below Meadow at TA-21	07/26/06	GROSSA	F	CS	—	—	5.28	2.24	5.24	pCi/L	EPA:900	—	J, J-	R3a, RWQ2	—	—	15	0.35	—	—
WP	Pueblo above SR-502	07/28/06	Pu-239,240	F	CS	FD	—	0.0476	0.0117	0.0232	pCi/L	HASL-300:ISOPU	—	J	RWQ2	200	0	—	—	20	0
WP	Pueblo above SR-502	07/28/06	Pu-239,240	F	CS	—	—	0.0341	0.011	0.0254	pCi/L	HASL-300:ISOPU	—	J	RWQ2	200	0	—	—	20	0
WP	Pueblo above SR-502	07/28/06	Pu-239,240	UF	CS	FD	—	0.122	0.0241	0.0442	pCi/L	HASL-300:ISOPU	—	J	RWQ2	200	0	—	—	20	0.01
WP	Pueblo above SR-502	07/28/06	Pu-239,240	UF	CS	—	—	0.0815	0.021	0.048	pCi/L	HASL-300:ISOPU	—	J	RWQ2	200	0	—	—	20	0
WS	Acid above Pueblo	07/27/06	Pu-239,240	F	CS	—	—	0.76	0.0493	0.0193	pCi/L	HASL-300:ISOPU	—	—	—	200	0	—	—	20	0.04
WS	Acid above Pueblo	07/27/06	Pu-239,240	UF	CS	—	—	1.4	0.0825	0.0229	pCi/L	HASL-300:ISOPU	—	—	—	200	0.01	—	—	20	0.07
WS	Pueblo 3	07/28/06	Pu-239,240	F	CS	—	—	0.0606	0.0145	0.0339	pCi/L	HASL-300:ISOPU	—	J	RWQ2	200	0	—	—	20	0
WS	Pueblo 3	07/28/06	Pu-239,240	UF	CS	—	—	0.244	0.0272	0.0281	pCi/L	HASL-300:ISOPU	—	—	—	200	0	—	—	20	0.01
WS	DP below Meadow at TA-21	07/26/06	Sr-90	F	CS	—	—	88.5	1.43	0.313	pCi/L	EPA:905.0	—	—	—	300	0.3	—	—	500	0.18
WS	DP below Meadow at TA-21	07/26/06	Sr-90	UF	CS	—	—	84.4	1.28	0.295	pCi/L	EPA:905.0	—	—	—	300	0.28	—	—	500	0.17

Surface Water General Inorganics

Location Name	Fld Matrix Code	Analyte	Hdr 1	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mmdl	Std Uom	Lab Qual Code	Concat flag Code	Concat Reason Code	NM LVSTK WTR STD	
																Std	Ratio (Result/Std Level)
Pueblo above SR-502	WP	NO3+NO2-N	Pueblo Canyon (includes Acid Canyon)	07/28/06	F	FD	CS	—	791	—	14	mg/L	—	J	I13b, I14b	132	5.99
Pueblo above SR-502	WP	NO3+NO2-N	Pueblo Canyon (includes Acid Canyon)	07/28/06	F		CS	—	763	—	14	mg/L	—	J, R	I13b, I14b, IWQ6	132	5.78
Pueblo above SR-502	WP	NO3+NO2-N	Pueblo Canyon (includes Acid Canyon)	07/28/06	UF	FD	CS	—	674	—	14	mg/L	—	J	I13b, I14b	132	5.11

Surface Water Perchlorate

Fld Matrix Code	Location Name	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Meth Code	Symbol	Std Result	Std Mdl	Std UOM	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code
WS	DP below Meadow at TA-21	07/26/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
WS	Pueblo 3	07/28/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
WS	Acid above Pueblo	07/27/06	—	UF	CS	SW846 6850 Modified	—	0.344	0.05	µg/L	1	—	—	—
WP	Pueblo above SR-502	07/28/06	—	F	CS	EPA:314.0	—	4.7	4	µg/L	1	J	—	—
WP	Pueblo above SR-502	07/28/06	—	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—
WP	Pueblo above SR-502	07/28/06	FD	F	CS	EPA:314.0	—	4.81	4	µg/L	1	J	—	—
WP	Pueblo above SR-502	07/28/06	FD	F	CS	SW846 6850 Modified	<	0.05	0.05	µg/L	1	U	—	—

Table E-1 (continued)
Surface Water Metal

Fld Matrix Code	Location Name	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Mdl	Std UOM	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	NM Aqu Acute 100 mg		NM Aqu Chronic 100 mg	
															Scr Lvl	Ratio (Result/Scr Level)	Scr Lvl	FISH STDS Ratio (Result/Scr Level)
WP	Pueblo above SR-502	07/28/06	Al	UF	CS	FD	—	408	68	µg/L	—	—	—	SW-846:6010B	750	0.54	87	4.69
WP	Pueblo above SR-502	07/28/06	Al	UF	CS	—	—	414	68	µg/L	—	—	—	SW-846:6010B	750	0.55	87	4.76
WP	Pueblo above SR-502	07/28/06	Cu	UF	CS	FD	—	4.6	3	µg/L	J	—	—	SW-846:6010B	—	—	9	0.51
WP	Pueblo above SR-502	07/28/06	Pb	UF	CS	FD	—	2.3	0.5	µg/L	—	—	—	SW-846:6020	—	—	2.5	0.92
WP	Pueblo above SR-502	07/28/06	Pb	UF	CS	—	—	2.3	0.5	µg/L	—	—	—	SW-846:6020	—	—	2.5	0.92
WS	Acid above Pueblo	07/27/06	Al	F	CS	—	—	390	68	µg/L	—	—	—	SW-846:6010B	750	0.52	87	4.48
WS	Acid above Pueblo	07/27/06	Al	UF	CS	—	—	1660	68	µg/L	—	—	—	SW-846:6010B	750	2.21	87	19.08
WS	Pueblo 3	07/28/06	Al	UF	CS	—	—	1370	68	µg/L	—	—	—	SW-846:6010B	750	1.83	87	15.75
WS	Pueblo 3	07/28/06	Cu	UF	CS	—	—	7.3	3	µg/L	J	—	—	SW-846:6010B	13.4	0.54	9	0.81
WS	Pueblo 3	07/28/06	Pb	UF	CS	—	—	3.7	0.5	µg/L	—	—	—	SW-846:6020	—	—	2.5	1.48

Surface Water Organics

Location Name	Hdr 1	Fld Matrix Code	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	NM HH 05	
																			Scr Lvl	Ratio (Result/Scr Level)
Acid above Pueblo	Pueblo Canyon (includes Acid Canyon)	WS	07/27/06	FTB	UF	CS	VOA	Chloroform	67-66-3	—	0.749	0.25	µg/L	1	J	J	VWQ6	SW-846:8260B	4.70E+03	0
Pueblo 3	Pueblo Canyon (includes Acid Canyon)	WS	07/28/06		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	5.03	2.04	µg/L	1	J	—	—	SW-846:8270C	2.20E+01	0.23
Pueblo 3	Pueblo Canyon (includes Acid Canyon)	WS	07/28/06		UF	CS	VOA	Toluene	108-88-3	—	1.39	0.25	µg/L	1	—	—	—	SW-846:8260B	2.00E+05	0

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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 the Los Alamos/Pueblo 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 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) was 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 were implemented for the management of groundwater monitoring IDW:

- LANL Notice of Intent (NOI) Decision Tree (Revision 7/26/06) and
- Los Alamos/Pueblo 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 Los Alamos/Pueblo watershed prior to sampling in order to assure that representative samples are collected. Purge water is managed and characterized in accordance with the Los Alamos/Pueblo Watershed Groundwater Monitoring Waste Characterization Strategy Form and the NOI Decision Tree, approved by the NMED Ground Water Quality Bureau (GWQB) and Hazardous Waste Bureau. The purge water is characterized with analytical results from groundwater samples collected within on year of 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 used depends 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 nonhazardous determinations have been made, the purge water is stored as nonhazardous pending comparison of the data to criteria for land application. At wells where nonhazardous determinations have been made, but land application criteria have not been met, the purge water will be transported and disposed at on-site facilities.

The Laboratory expects most of the remaining stored purge waters will meet the criteria for land application under the approved NOI Decision Tree. Designated nonhazardous liquid waste to be sent to SWSC or the SERF Evaporation Basins and radioactive liquid waste will be sent to the RLWTF or the TA-53 Evaporation Basins. 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 16, 2002 and August 2, 2001). If the water is 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 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 nonhazardous, nonradioactive 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 remaining wastes will be nonhazardous 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 or the LANL Green is Clean program will be used to verify that spent PPE is nonradioactive and qualifies for disposal at a New Mexico solid waste landfill. If the purge water is hazardous, the associated PPE wastes will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility.

Disposable sampling supplies: The spent disposable sampling supplies waste stream consists of all equipment and materials required 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 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). To this point, disposable sampling supplies used in collection of nonhazardous and nonradioactive groundwater have 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 the remaining wastes will be nonhazardous and 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 or the LANL Green is Clean program will be used to verify that disposable sampling supplies are nonradioactive and qualify for disposal at a New Mexico solid waste landfill. If the purge water is hazardous, the associated sampling wastes 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 or, if necessary, direct sampling of the containerized waste.

The waste determination for decontamination fluids will be based on the waste determination made for the associated purge water. The Laboratory expects the decontamination fluid wastes will be designated consistent with the associated purge water. The Laboratory expects these wastes will be nonhazardous liquid waste or radioactive liquid waste that would be sent to SWWS or the SERF Evaporation Basins, the RLWTF or the TA-53 Evaporation Basins, respectively. If the purge water is hazardous, the associated decontamination fluid 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 Los Alamos/Pueblo 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 this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

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

NMED (New Mexico Environment Department), November 21, 2006. "Notice of Intent Decision Tree: Drilling Development, Rehabilitation, and Sampling Purge Water," New Mexico Environment Department letter to E. Wilmot (Manager of the Department of Energy's Los Alamos Site Operations Office) and M. Anastasio (President of the Los Alamos National Security) from Olson, W. and Bearzi, J., Santa Fe, New Mexico. (NMED 2006, pending)

LANL (Los Alamos National Laboratory), December 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)

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, 076405)

Rae, S., August 2, 2001. "Notice of Intent to Discharge, Hydrogeologic Workplan Wells," Los Alamos National Laboratory letter ESH-18/WQ&H: 01-234 to J. Young (New Mexico Environment Department Hazardous Materials Bureau) and P. Bustamante (New Mexico Environment Department Ground Water Quality Bureau) from S. Rae (Los Alamos National Laboratory WQH Group), Los Alamos, New Mexico. (Rae 2001, 091527)

Table F-1
Summary of IDW Generation and Management

Waste Steam	Waste Type	Volume	Characterization Method	On-site Management	Disposition Status
Purge water	Suspect hazardous, Suspect radioactive	338 gal.	Analytical results from groundwater monitoring samples and AK	Managed conservatively and collected in 5-gal. carboys, stored in 55-gal. drums at satellite accumulation areas or collected in tanks at less-than-90-day accumulation areas	Pending data review, hazardous waste determinations and WPF approval
Purge water	Nonhazardous	1600 gal.	Analytical results from groundwater monitoring samples and AK	Managed conservatively and collected in 5-gal. carboys, stored in 55-gal. drums at satellite accumulation areas or collected in tanks at less-than-90-day accumulation areas. These wells have been determined to be nonhazardous based on data review and due diligence. The accumulation areas have been down-graded to nonhazardous.	Pending land application review and approval.
Spent PPE and disposable sampling supplies	Suspect hazardous, Suspect radioactive	<0.2 yd^3 (31 gal)	AK	Zip-lock baggies accumulated in 55-gal. drums at satellite accumulation areas or at less-than-90-day accumulation areas	Pending data review, hazardous waste determinations and WPF approval
Spent PPE and disposable sampling supplies	Nonhazardous, Nonradioactive	<<0.1 yd^3 (4 gal)	AK	Zip-lock baggies accumulated in 55-gal. drums	Pending segregation, Green is Clean nonradioactive verification (as needed) and WPF approval
Decontamination fluids	Suspect hazardous, Suspect radioactive	< 8 gal.	AK	Collected in 250 ml to 1-gal. bottles, stored in 55-gal. drums at satellite accumulation areas or at less-than-90-day accumulation areas	Pending data review, hazardous waste determinations and WPF approval

Table F-1 (continued)

Waste Steam	Waste Type	Volume	Characterization Method	On-site Management	Disposition Status
Decontamination fluids	Nonhazardous, Nonradioactive	< 3 gal.	AK	Collected in 250 ml to 1-gal. bottles, stored in 55-gal. drums at accumulation areas	Pending WPF approval and disposal

Appendix G

Analytical Reports
(on DVD included with this document)

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).

Table G-1
Content of Compact Disc

CD No.	Request	Suite	Sample	Sample Date	Location
1	167877	GENINORG	GF060700G02R01	24-Jul-06	R-2
1	167877	GENINORG	GU060700G02R01	24-Jul-06	R-2
1	167877	GENINORG	GU060700G02R02	24-Jul-06	R-2
1	167877	METALS	GF060700G02R01	24-Jul-06	R-2
1	167877	METALS	GU060700G02R01	24-Jul-06	R-2
1	167877	PEST/PCB	GU060700G02R01	24-Jul-06	R-2
1	167877	RAD	GF060700G02R01	24-Jul-06	R-2
1	167877	RAD	GU060700G02R01	24-Jul-06	R-2
1	167877	SVOA	GU060700G02R02	24-Jul-06	R-2
1	167877	VOA	GU060700G02R02	24-Jul-06	R-2
1	167878	SVOA	GU060700G02R02-FTB	24-Jul-06	R-2
1	167878	VOA	GU060700G02R02-FTB	24-Jul-06	R-2
1	167995	GENINORG	GF060700G04R01	25-Jul-06	R-4
1	167995	GENINORG	GF060700G04R90	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R01	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R01-FB	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R02	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R02-FB	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R90	25-Jul-06	R-4
1	167995	GENINORG	GU060700G04R91	25-Jul-06	R-4
1	167995	METALS	GF060700G04R01	25-Jul-06	R-4
1	167995	METALS	GF060700G04R90	25-Jul-06	R-4
1	167995	METALS	GU060700G04R01	25-Jul-06	R-4
1	167995	METALS	GU060700G04R01-FB	25-Jul-06	R-4
1	167995	METALS	GU060700G04R90	25-Jul-06	R-4
1	167995	PEST/PCB	GU060700G04R01	25-Jul-06	R-4
1	167995	PEST/PCB	GU060700G04R01-FB	25-Jul-06	R-4
1	167995	PEST/PCB	GU060700G04R90	25-Jul-06	R-4
1	167995	RAD	GF060700G04R01	25-Jul-06	R-4
1	167995	RAD	GF060700G04R90	25-Jul-06	R-4
1	167995	RAD	GU060700G04R01	25-Jul-06	R-4
1	167995	RAD	GU060700G04R01-FB	25-Jul-06	R-4
1	167995	RAD	GU060700G04R90	25-Jul-06	R-4
1	167995	SVOA	GU060700G04R02	25-Jul-06	R-4

Table G-1 (continued)

CD No.	Request	Suite	Sample	Sample Date	Location
1	167995	SVOA	GU060700G04R02-FB	25-Jul-06	R-4
1	167995	SVOA	GU060700G04R91	25-Jul-06	R-4
1	167995	VOA	GU060700G04R02	25-Jul-06	R-4
1	167995	VOA	GU060700G04R02-FB	25-Jul-06	R-4
1	167995	VOA	GU060700G04R91	25-Jul-06	R-4
1	167996	GENINORG	GU060700G32L02	25-Jul-06	LAOI-3.2
1	167996	GENINORG	GU06070G05R202	25-Jul-06	R-5
1	167996	SVOA	GU060700G32L02	25-Jul-06	LAOI-3.2
1	167996	SVOA	GU06070G05R202	25-Jul-06	R-5
1	167996	VOA	GU060700G32L02	25-Jul-06	LAOI-3.2
1	167996	VOA	GU06070G05R202	25-Jul-06	R-5
1	167997	SVOA	GU060700G32L02-FTB	25-Jul-06	LAOI-3.2
1	167997	SVOA	GU06070G05R202-FTB	25-Jul-06	R-5
1	167997	VOA	GU060700G32L02-FTB	25-Jul-06	LAOI-3.2
1	167997	VOA	GU06070G05R202-FTB	25-Jul-06	R-5
1	167998	GENINORG	GF060700G32L01	25-Jul-06	LAOI-3.2
1	167998	GENINORG	GF06070G05R201	25-Jul-06	R-5
1	167998	GENINORG	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167998	GENINORG	GU06070G05R201	25-Jul-06	R-5
1	167998	METALS	GF060700G32L01	25-Jul-06	LAOI-3.2
1	167998	METALS	GF06070G05R201	25-Jul-06	R-5
1	167998	METALS	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167998	METALS	GU06070G05R201	25-Jul-06	R-5
1	167998	PEST/PCB	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167998	PEST/PCB	GU06070G05R201	25-Jul-06	R-5
1	167998	RAD	GF060700G32L01	25-Jul-06	LAOI-3.2
1	167998	RAD	GF06070G05R201	25-Jul-06	R-5
1	167998	RAD	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167998	RAD	GU06070G05R201	25-Jul-06	R-5
1	167998	SVOA	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167998	VOA	GU060700G32L01	25-Jul-06	LAOI-3.2
1	167999	SVOA	GU060700G04R02-FTB	25-Jul-06	R-4
1	167999	VOA	GU060700G04R02-FTB	25-Jul-06	R-4
1	168072	GENINORG	GF060700G06R01	26-Jul-06	R-6
1	168072	GENINORG	GF060700G06R90	26-Jul-06	R-6
1	168072	GENINORG	GF060700G6IR01	26-Jul-06	R-6i
1	168072	GENINORG	GU060700G06R01	26-Jul-06	R-6
1	168072	GENINORG	GU060700G06R90	26-Jul-06	R-6

Table G-1 (continued)

CD No.	Request	Suite	Sample	Sample Date	Location
1	168072	GENINORG	GU060700G6IR01	26-Jul-06	R-6i
1	168072	METALS	GF060700G06R01	26-Jul-06	R-6
1	168072	METALS	GF060700G06R90	26-Jul-06	R-6
1	168072	METALS	GF060700G6IR01	26-Jul-06	R-6i
1	168072	METALS	GU060700G06R01	26-Jul-06	R-6
1	168072	METALS	GU060700G06R90	26-Jul-06	R-6
1	168072	METALS	GU060700G6IR01	26-Jul-06	R-6i
1	168072	PEST/PCB	GU060700G06R01	26-Jul-06	R-6
1	168072	PEST/PCB	GU060700G06R90	26-Jul-06	R-6
1	168072	PEST/PCB	GU060700G6IR01	26-Jul-06	R-6i
1	168072	RAD	GF060700G06R01	26-Jul-06	R-6
1	168072	RAD	GF060700G06R90	26-Jul-06	R-6
1	168072	RAD	GF060700G6IR01	26-Jul-06	R-6i
1	168072	RAD	GU060700G06R01	26-Jul-06	R-6
1	168072	RAD	GU060700G06R90	26-Jul-06	R-6
1	168072	RAD	GU060700G6IR01	26-Jul-06	R-6i
1	168072	SVOA	GU060700G06R01	26-Jul-06	R-6
1	168072	SVOA	GU060700G06R90	26-Jul-06	R-6
1	168072	SVOA	GU060700G6IR01	26-Jul-06	R-6i
1	168072	VOA	GU060700G06R01	26-Jul-06	R-6
1	168072	VOA	GU060700G06R90	26-Jul-06	R-6
1	168072	VOA	GU060700G6IR01	26-Jul-06	R-6i
1	168081	GENINORG	GF060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	GENINORG	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	METALS	GF060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	METALS	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	PEST/PCB	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	RAD	GF060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	RAD	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	SVOA	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	VOA	GU060700P03901	26-Jul-06	DP below Meadow at TA-21
1	168081	VOA	GU060700P03901-FTB	26-Jul-06	DP below Meadow at TA-21
1	168085	SVOA	GU060700G06R01-FTB	26-Jul-06	R-6
1	168085	SVOA	GU060700G6IR01-FTB	26-Jul-06	R-6i
1	168085	VOA	GU060700G06R01-FTB	26-Jul-06	R-6
1	168085	VOA	GU060700G6IR01-FTB	26-Jul-06	R-6i
1	168162	GENINORG	GF060700P05601	27-Jul-06	Acid above Pueblo
1	168162	GENINORG	GU060700P05601	27-Jul-06	Acid above Pueblo

Table G-1 (continued)

CD No.	Request	Suite	Sample	Sample Date	Location
1	168162	METALS	GF060700P05601	27-Jul-06	Acid above Pueblo
1	168162	METALS	GU060700P05601	27-Jul-06	Acid above Pueblo
1	168162	PEST/PCB	GU060700P05601	27-Jul-06	Acid above Pueblo
1	168162	RAD	GF060700P05601	27-Jul-06	Acid above Pueblo
1	168162	RAD	GU060700P05601	27-Jul-06	Acid above Pueblo
1	168162	SVOA	GU060700P05601	27-Jul-06	Acid above Pueblo
1	168162	VOA	GU060700P05601	27-Jul-06	Acid above Pueblo
1	168162	VOA	GU060700P05601-FTB	27-Jul-06	Acid above Pueblo
1	168163	GENINORG	GF060700G2OL01	27-Jul-06	LAO-2
1	168163	GENINORG	GF06070G05R301	26-Jul-06	R-5
1	168163	GENINORG	GF06070G05R401	27-Jul-06	R-5
1	168163	GENINORG	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	GENINORG	GU06070G05R301	26-Jul-06	R-5
1	168163	GENINORG	GU06070G05R302	26-Jul-06	R-5
1	168163	METALS	GF060700G2OL01	27-Jul-06	LAO-2
1	168163	METALS	GF06070G05R301	26-Jul-06	R-5
1	168163	METALS	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	METALS	GU06070G05R301	26-Jul-06	R-5
1	168163	PEST/PCB	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	PEST/PCB	GU06070G05R301	26-Jul-06	R-5
1	168163	RAD	GF060700G2OL01	27-Jul-06	LAO-2
1	168163	RAD	GF06070G05R301	26-Jul-06	R-5
1	168163	RAD	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	RAD	GU06070G05R301	26-Jul-06	R-5
1	168163	SVOA	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	SVOA	GU06070G05R302	26-Jul-06	R-5
1	168163	VOA	GU060700G2OL01	27-Jul-06	LAO-2
1	168163	VOA	GU06070G05R302	26-Jul-06	R-5
1	168164	SVOA	GU060700G2OL01-FTB	27-Jul-06	LAO-2
1	168164	SVOA	GU06070G05R302-FTB	26-Jul-06	R-5
1	168164	VOA	GU060700G2OL01-FTB	27-Jul-06	LAO-2
1	168164	VOA	GU06070G05R302-FTB	26-Jul-06	R-5
1	168165	GENINORG	GF060700GR2401	27-Jul-06	R-24
1	168165	GENINORG	GF060700GR2490	27-Jul-06	R-24
1	168165	GENINORG	GU060700GR2401	27-Jul-06	R-24
1	168165	GENINORG	GU060700GR2490	27-Jul-06	R-24
1	168165	HEXP	GU060700GR2401	27-Jul-06	R-24
1	168165	HEXP	GU060700GR2490	27-Jul-06	R-24

Table G-1 (continued)

CD No.	Request	Suite	Sample	Sample Date	Location
1	168165	METALS	GF060700GR2401	27-Jul-06	R-24
1	168165	METALS	GF060700GR2490	27-Jul-06	R-24
1	168165	METALS	GU060700GR2401	27-Jul-06	R-24
1	168165	METALS	GU060700GR2490	27-Jul-06	R-24
1	168165	PEST/PCB	GU060700GR2401	27-Jul-06	R-24
1	168165	PEST/PCB	GU060700GR2490	27-Jul-06	R-24
1	168165	RAD	GF060700GR2401	27-Jul-06	R-24
1	168165	RAD	GF060700GR2490	27-Jul-06	R-24
1	168165	RAD	GU060700GR2401	27-Jul-06	R-24
1	168165	RAD	GU060700GR2490	27-Jul-06	R-24
1	168165	SVOA	GU060700GR2401	27-Jul-06	R-24
1	168165	SVOA	GU060700GR2490	27-Jul-06	R-24
1	168165	VOA	GU060700GR2401	27-Jul-06	R-24
1	168165	VOA	GU060700GR2490	27-Jul-06	R-24
1	168166	SVOA	GU060700GR2401-FTB	27-Jul-06	R-24
1	168166	VOA	GU060700GR2401-FTB	27-Jul-06	R-24
1	168313	GENINORG	GF060700P06001	28-Jul-06	Pueblo above SR-502
1	168313	GENINORG	GF060700P06090	28-Jul-06	Pueblo above SR-502

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