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# **Periodic Monitoring Report for Mortandad and Sandia Watersheds, January 25–February 12, 2010**


Prepared by the Environmental Programs Directorate

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# Periodic Monitoring Report for Mortandad and Sandia Watersheds January 25–February 12, 2010

August 2010

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## **EXECUTIVE SUMMARY**

This periodic monitoring report (PMR) provides the results of the periodic monitoring events (PMEs) conducted by Los Alamos National Laboratory in the Mortandad and Sandia Watersheds. These PMEs were conducted pursuant to the 2009 Interim Facility-Wide Groundwater Monitoring Plan, prepared in accordance with the Compliance Order on Consent (Consent Order).

The PMEs documented in this report occurred from January 25 to February 12, 2010, and included the monitoring of base-flow stations and groundwater wells and well ports. This report also includes results from previous PMEs that were unreported in their respective PMRs because of agreements with San Ildefonso Pueblo regarding data release or the availability of validated laboratory data.

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

Surface-water and groundwater results from previous PME samples reported in this PMR are below screening levels.

Three results from surface-water samples and 20 results from groundwater samples collected from Mortandad Canyon during this PME exceeded screening levels.

One result from surface-water samples and four results from groundwater samples collected from Sandia Canyon during this PME exceeded screening levels.



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## Acronyms and Abbreviations

amsl	above mean sea level
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
HEXP	high explosives
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PCBs	polychlorinated biphenyls
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RAD	radionuclide
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SOP	standard operating procedure
TA	technical area
TDS	total dissolved solids
UF	unfiltered



## 1.0 INTRODUCTION

This periodic monitoring report (PMR) documents quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Mortandad and Sandia Watersheds pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2009, 106115), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring events (PMEs) occurred from January 25 to February 12, 2010, and included sampling at base-flow stations and groundwater wells and well ports. This report also includes results from previous PMEs that were unreported in their respective PMRs because of agreements with San Ildefonso Pueblo regarding data release or the availability of validated laboratory data.

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

This report presents the following information:

- general background information on the watershed
- field-measurement monitoring results
- water-quality monitoring results
- results of the screening analysis (comparing these PME results with regulatory standards and results from previous reports)
- a summary 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: Mortandad Watershed

Mortandad Watershed is an east-to-southeast-trending drainage that heads on the Pajarito Plateau near the main Laboratory complex at Technical Area 03 (TA-03) at an elevation of 7380 ft (2249 m). The drainage extends approximately 9.6 mi (15.5 km) from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft (1658 m). The watershed crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande.

Mortandad Watershed is located in the central portion of the Laboratory and covers approximately 10 mi<sup>2</sup> (25.9 km<sup>2</sup>). San Ildefonso Pueblo is directly adjacent to a portion of the Laboratory's eastern boundary and includes the eastern end of Mortandad Watershed. The watershed contains several tributary canyons that have received contaminants released during historical Laboratory operations. The most prominent tributary canyons include Ten Site Canyon, Pratt Canyon, Effluent Canyon, and Cañada del Buey. Current and former technical areas located in the Mortandad Watershed include TA-03, TA-04, TA-05, TA-18, TA-35, TA-42, TA-46, TA-48, TA-50, TA-51, TA-52, TA-54, TA-55, and TA-59. The primary sources of contamination in this watershed are attributed to past releases of contaminants from outfalls and spills at TA-35 and TA-50, including the Radioactive Liquid Waste Treatment Facility (RLWTF) at TA-50. Metals and volatile organic compounds have historically been released into the canyon. Nitrate,

perchlorate, fluoride, molybdenum, and radionuclides are some of the contaminants that have been detected in Mortandad Canyon alluvial groundwater. Contamination from perchlorate and nitrate is present in the vadose zone beneath the portion of Mortandad below the confluence of Ten Site Canyon. Nitrate, perchlorate, chromium, and tritium are detected in both intermediate and regional groundwater.

## **1.2 Background: Sandia Watershed**

Sandia Watershed is located within the central part of the Laboratory. Sandia Canyon heads on Laboratory property within TA-03 at an elevation of approximately 7300 ft (2225 m) and trends east-southeast across the Laboratory, Bandelier National Monument, and San Ildefonso Pueblo. Sandia Canyon merges with the Rio Grande in White Rock Canyon at an elevation of 5450 ft (1661 m).

The area of the Sandia Watershed is approximately 5.5 mi<sup>2</sup> (14.2 km<sup>2</sup>). Perennial streamflow and saturated alluvial aquifer conditions occur in the upper and middle portions of the canyon system because of sanitary wastewater and cooling tower discharges to the canyon from operating facilities. A wetland of approximately 7 acres has developed as a result of the wastewater and cooling tower discharges. Polychlorinated biphenyls have been detected in sediment samples collected from the wetland area, and mercury has been detected in surface-water samples.

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

## **2.0 SCOPE OF ACTIVITIES**

The PME's for the Mortandad and Sandia Watersheds were conducted pursuant to the 2009 IFGMP.

Tables 2.0-1 and 2.0-2 provide the location name, sample collection date, port name, port depth, screened interval, top and bottom screen depths, casing volume, purge volume, base flow, groundwater elevation, and water-level method for each of the monitored locations. These locations are shown 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 the PME's are documented in the 2009 IFGMP.

### **3.2 Field-Parameter Results**

Appendix A contains the field-parameter results for these PME's and the four previous PME's for each watershed.

### **3.3 Groundwater Elevations and Base-Flow Observations**

The periodic monitoring water-level data for the previous 3 yr for each watershed are presented in Appendix B (on CD). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded immediately

before sampling. The groundwater elevation measurements taken during these PME's and for previous sampling events are shown graphically on Plate 1. Base flow measurements are shown on Plate 2.

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

Tables 3.4-1 and 3.4-2 describe the field work deviations from the planned scope of the PME's for Mortandad and Sandia Watersheds. Table 3.4-3 presents a list of analytes for which the practical quantitation limits (PQLs) and method detection limits (MDLs) are greater than screening levels.

## **4.0 ANALYTICAL DATA RESULTS**

### **4.1 Methods and Procedures**

All methods and procedures used to perform the analytical activities of the PME's are documented in the 2009 IFGMP. Purge water is managed and characterized in accordance with Waste Characterization Strategy Form 39268 and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling purge water.

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. The quality program and procedures are available at <http://www.lanl.gov/environment/all/qa.shtml>. Completed chain-of-custody forms serve as an analytical request form and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each analysis required.

The required analytical laboratory batch quality control (QC) is defined by the analytical method, the analytical statement of work, and generally accepted laboratory practices. The analytical laboratory assigns qualifiers to the data to indicate the quality of the analytical results. The laboratory batch QC is used in the secondary data validation process to evaluate the quality of individual analytical results, evaluate the appropriateness of the analytical methodologies, and measure the routine performance of the analytical laboratory.

In addition to batch QC performed by laboratories, the Laboratory submitted field QC samples to test the overall sampling and analytical laboratory process and to spot-check for analytical problems. These results are used in secondary validation along with information provided by the analytical laboratory.

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation by an independent contractor, Analytical Quality Associates, Inc. (AQA). The reviews by AQA follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers is assigned to the analytical results.

The Laboratory assigns detection status to the analytical result based on the analytical laboratory and secondary validation qualifiers. A "<" symbol indicates that, based on the qualifiers, the result was a nondetection.

## 4.2 Analytical Data

Appendix C presents the analytical data for each watershed from the PMEs and from the four sampling events immediately before the January to February 2010 sampling events. The screening levels with which the results are compared are presented in Table 4.2-1. The analytical laboratory reports (including chain-of-custody forms and data validation) are provided in Appendix F.

Appendix C contains all data collected during the PMEs (i.e., all data that have been independently reviewed for conformance with Laboratory requirements) with the following constraints.

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

Data for PMRs are evaluated using the following screening process.

- Surface-water and groundwater perchlorate data were compared with the screening level of 4  $\mu\text{g/L}$  established in Section VIII.A.1.a of the Consent Order. Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants.
- As required by the Consent Order, EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used for constituents having no other regulatory standard and for which toxicological information is published. For these screening levels, the tables indicate a risk type of C (cancer) or N (noncancer). For the cancer-risk type, the risk levels are for  $10^{-6}$  excess cancer risk. The Consent Order specifies screening with these values at a risk level of  $10^{-5}$  (rather than  $10^{-6}$ ) excess cancer risk. Therefore, data must exceed the  $10^{-6}$  screening values by a factor of 10 or more to be above a risk level of  $10^{-5}$  excess cancer risk.

- The analytical results for radioactivity are compared with the DOE Biota Concentration Guide (BCG) for surface water and Derived Concentration Guide (DCG) for groundwater.

Tables D-1 through D-26 in Appendix D show all detected analytical results for perchlorate, radionuclides, and organic compounds, and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds.

Analytical results are presented in Appendix E in graphs that display a series of selected analytes. The analytes were selected from data collected during the PMEs because they were above screening levels at least once during the three most recent sampling events. Once an analyte meets this criterion, the concentrations of the analyte are plotted for a 3-yr period. If 3 yr of data are not available, then all available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels.

Tables 4.2-2 and 4.2-3 show results for surface water and groundwater (by hydrogeologic zone for a specific analytical suite) that are above screening levels. Multiple detections of a particular constituent at a location are counted as one result. For example, if aluminum is detected above a screening level in both a primary sample and a field duplicate, only the highest result is shown.

Figures 4.2-1 through 4.2-5 show analyte concentrations from the current PME that exceed screening levels at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater screening level at intermediate well MCOI-6 and regional wells R-28 and R-42, so all available chromium values from the current PME are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

#### **4.2.1 Surface Water (Base Flow): Mortandad Watershed**

Results from previous PME surface-water samples reported in this PMR were below screening levels.

For the current monitoring event, the gross alpha activity in an unfiltered sample collected from location E-1FW in upper Effluent Canyon (a tributary of Mortandad Canyon) was 23.2 pCi/L, above the NMWQCC Livestock Watering Standard screening level of 15 pCi/L. Gross alpha activity was measured at this location twice in 2005, but not detected. In 2009 a sample contained 8.5 pCi/L of gross alpha activity. Turbidity for the recent sampling event was 291 nephelometric turbidity units (NTU), and the turbidity for the 2009 sample was 115 NTU. The range for earlier sampling events is 1.4 NTU to 35.6 NTU.

The filtered aluminum concentration at E-1FW of 14,000 µg/L was above the NMWQCC Aquatic Life Acute Standard screening level of 750 µg/L. The recent value is much above prior results for dissolved aluminum, which ranged from <68 µg/L to 2700 µg/L since 2005.

The filtered copper concentration at E-1FW was 13.5 µg/L, above the NMWQCC Aquatic Life Acute Standard screening level (at 100 mg/L of hardness) of 13.4 µg/L. Since 2005 dissolved copper results ranged from <3 µg/L to 49 µg/L.

#### **4.2.2 Surface Water (Base Flow): Sandia Watershed**

Results from previous PME surface-water samples reported in this PMR were below screening levels.

For the current monitoring event, the perchlorate concentration of 5.77 µg/L at the Sandia right fork at the Power Plant location was above the Consent Order screening level of 4 µg/L. A result in November 2009 was 4.96 µg/L. An earlier result of 18.5 µg/L in July 2003 used the ion chromatography method and may not be reliable. Other results since June 2004 using the liquid chromatography/mass spectrometry method ranged from 0.4 µg/L to 1.6 µg/L.

#### 4.2.3 Groundwater: Mortandad Watershed

Results from previous PME groundwater samples reported in this PMR were below screening levels.

For the current watershed monitoring event, the unfiltered strontium-90 activity at alluvial well MCO-3 of 29.3 pCi/L was above the 8 pCi/L EPA MCL screening level. Since 2000 strontium activity in samples from this well ranged from 13.5 pCi/L to 39 pCi/L.

The perchlorate concentrations at five alluvial wells ranged from 5.57 µg/L to 14.1 µg/L and were above the Consent Order screening level of 4 µg/L. Alluvial groundwater concentrations of perchlorate have dropped, especially near the outfall, following the removal of perchlorate from RLWTF effluent in March 2002.

The total dissolved solids (TDS) concentration at alluvial well MCO-2 (in tributary Effluent Canyon above the RLWTF outfall) was 6180 mg/L, above the NMWQCC groundwater standard screening level of 1000 mg/L. This is the highest level measured at the well. Except for a result of 3800 mg/L in February 2008, earlier TDS results at this well since 1998 ranged from 205 mg/L to 927 mg/L. The highest concentrations have been measured in winter and early spring.

This sample at MCO-2 also contained 3300 mg/L of chloride, above the NMWQCC groundwater standard screening level of 250 mg/L; this is the highest value measured at this well. Since 1998 earlier results ranged from 17.7 mg/L to 2750 mg/L. Again, the highest concentrations have been measured in winter and early spring. The fluoride concentration in this sample was 8.75 mg/L, above the NMWQCC groundwater standard screening level of 1.6 mg/L. The current fluoride result is also the highest; since 1998 earlier results ranged from 0.136 mg/L to 0.88 mg/L.

The filtered barium concentration at MCO-2 of 2360 µg/L was above the NMWQCC groundwater standard screening level of 1000 µg/L; this is the highest value measured at this well. The February 2008 concentration was 1960 µg/L; since 1998 results for filtered barium ranged from 89 µg/L to 289 µg/L. The filtered manganese concentration in this sample was 463 µg/L, above the NMWQCC groundwater standard screening level (for domestic water supply) of 200 µg/L. Since 1998 results for filtered manganese ranged from 181 µg/L to 2530 µg/L. No turbidity result is available for this sample; the range for earlier sampling events is 6.4 NTU to 278 NTU.

The nitrate (plus nitrite as nitrogen) concentration of 11.6 mg/L in intermediate groundwater well MCOI-6 was above the 10 mg/L NMWQCC groundwater standard screening level. Since 2005 the previous concentrations at MCOI-6 have decreased from 20.4 mg/L to 11.2 mg/L. The values measured in recent PMEs are among the lowest.

Perchlorate concentrations at three intermediate groundwater wells ranged from 50 µg/L to 85 µg/L, above the Consent Order screening level of 4 µg/L. Results measured since 2005 in MCOI-4 have decreased since 2007, from earlier values of 134 µg/L to 166 µg/L to the latest value of 50.2 µg/L. MCOI-5 concentrations have shown some variability since first sampled in 2005, but since 2006 are trending lower, from 130 µg/L to the latest value of 84.5 µg/L. At MCOI-6 the results have generally fluctuated since 2005 between 160 µg/L and 246 µg/L; 2009 results range from 91 µg/L to 104 µg/L. The recent value is the lowest measured at the well.

The filtered chromium result of 51.1 µg/L in intermediate groundwater well MCOI-6 was above the NMWQCC groundwater standard screening level of 50 µg/L. The filtered chromium concentrations were a maximum of 59 µg/L in the first samples from this well in 2005. Concentrations fell to 30 µg/L in 2007 and have generally increased since that time.



The perchlorate concentration in regional well R-15 was 6.97 µg/L, above the Consent Order screening level of 4 µg/L. Other values from R-15 measured by the liquid chromatography/mass spectrometry method since 2003 ranged from 4.6 µg/L to 7.4 µg/L, although many values are estimated.

In regional well R-28 the filtered chromium concentration was 321 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 have ranged from 310 µg/L to 468 µg/L and show no particular trend with time. In regional well R-42 the filtered chromium concentration was 1240 µg/L, the highest yet measured. The well was first sampled in October 2008 and values ranged from 744 µg/L to 1240 µg/L.

The bis(2-ethylhexyl)phthalate concentration in regional well R-46 of 35.4 µg/L was above the EPA MCL screening level of 6 µg/L. This compound has been detected in each of six sample events, except for the first sample event in March 2009. Concentrations range from 96 µg/L to 26.0 µg/L; following the first samples, concentrations have decreased to between 26 µg/L and 39 µg/L after June 2009.

#### **4.2.4 Groundwater: Sandia Watershed**

Results from previous PME groundwater samples reported in this PMR were below screening levels.

For the current monitoring event, the filtered manganese result of 870 µg/L at alluvial well SCA-1-DP, a drive-point well installed near SCA-1, was above the NMWQCC groundwater standard screening level of 200 µg/L. For eight manganese measurements at SCA-1 since 2006, most have been above the screening level, up to 1380 µg/L. This is the fifth sample from SCA-1-DP and the highest concentration; the results range from 559 µg/L to 870 µg/L. Turbidity for the recent sample was 43.9 NTU; the prior values range from 9.2 NTU to 275 NTU.

The chloride result of 263 mg/L at alluvial well SCA-1-DP was above the NMWQCC groundwater standard screening level of 250 mg/L. This is the highest concentration measured at this location or nearby SCA-1 since sampling began in 2006 and the first above the screening level. These locations have shown higher chloride concentrations in winter and early spring (106 mg/L to 197 mg/L). Lower values of approximately 60 mg/L have been observed in November and August samples.

The filtered chromium result of 615 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results for seven sample events since October 2008 range from 471 µg/L to 658 µg/L.

The concentration of bis(2-ethylhexyl)phthalate at regional aquifer monitoring well R-36 of 6.38 µg/L was above the EPA MCL screening level of 6 µg/L. The bis(2-ethylhexyl)phthalate concentrations in this well have declined from an initial high of 59 µg/L over six sample events since May 2008.

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

No modifications to the periodic monitoring sampling for either watershed are proposed at this time.

### **5.0 SUMMARY AND INTERPRETATIONS**

#### **5.1 Monitoring Results**

An evaluation of the field-parameter monitoring results is presented in Appendix A.

## **5.2 Analytical Results**

### **5.2.1 Surface Water (Base Flow): Mortandad Watershed**

Results from previous PME surface-water samples reported in this PMR were below screening levels.

Except for highest values measured for gross alpha activity and aluminum at E-1FW, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

Overall, three results from surface-water samples collected during this PME from Mortandad Canyon exceeded screening levels (Table 4.2-2).

### **5.2.2 Surface Water (Base Flow): Sandia Watershed**

Results from previous PME surface-water samples reported in this PMR were below screening levels.

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

One result from surface-water samples collected during this PME exceeded screening levels (Table 4.2-3).

### **5.2.3 Groundwater: Mortandad Watershed**

Results from previous PME groundwater samples reported in this PMR were below screening levels.

Except for concentrations at well MCO-2 of TDS, chloride, fluoride, and barium, and filtered chromium at R-42, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

Overall, 20 results from groundwater samples collected during this PME from Mortandad Canyon exceeded screening levels (Table 4.2-2).

### **5.2.4 Groundwater: Sandia Watershed**

Results from previous PME groundwater samples reported in this PMR were below screening levels.

Except for the somewhat higher concentration of chloride at SCA-1-DP, the types of contaminants detected during this PME and their concentrations are consistent with data reported from previous monitoring events in this watershed.

Overall, four results from groundwater samples collected from Sandia Canyon during this PME exceeded screening levels (Table 4.2-3).

## **5.3 Data Gaps**

Tables 3.4-1 and 3.4-2 summarize the field deviations encountered during the PMEs. The tables also provide a detailed account of sampling event deviations.

## 6.0 REFERENCE

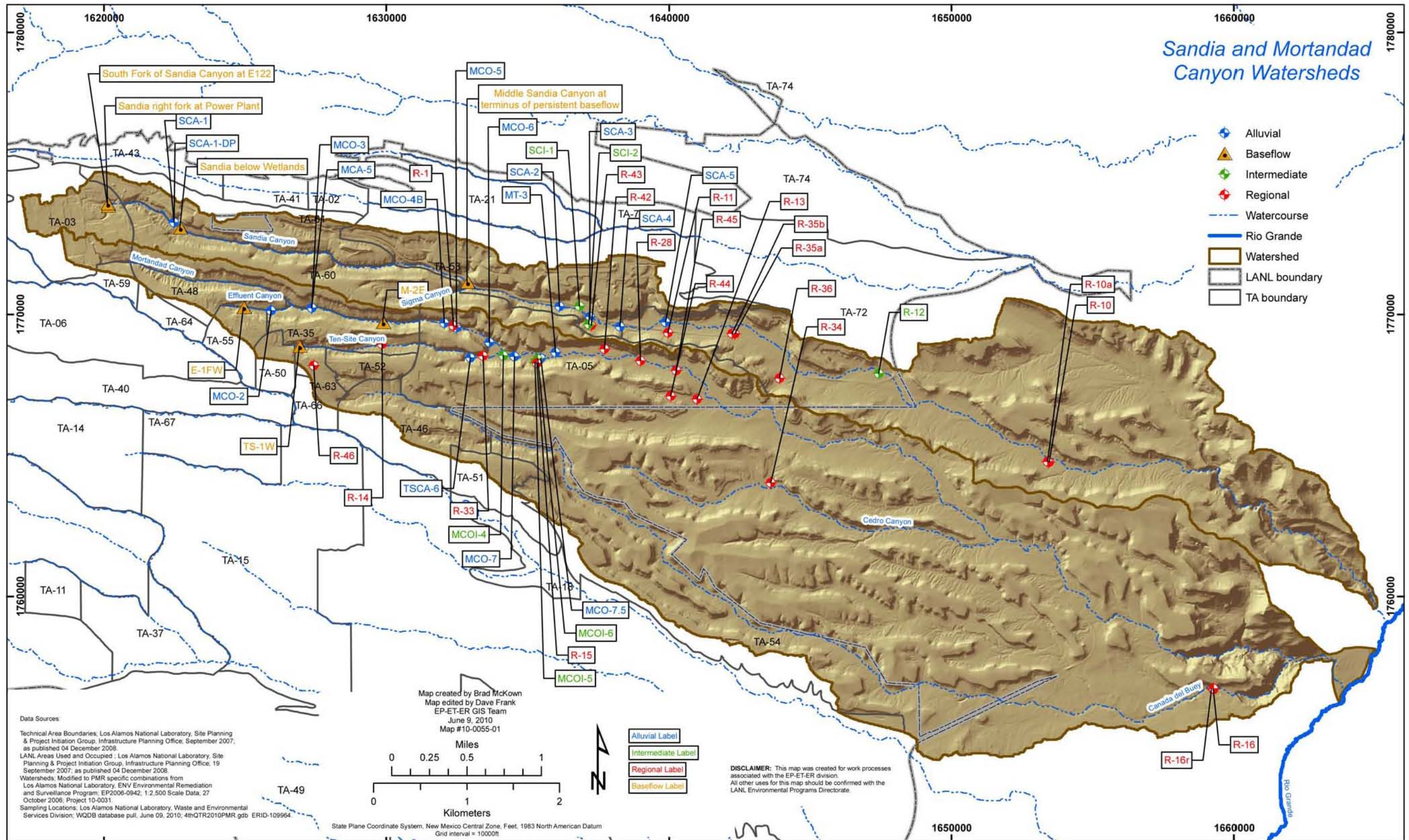
*The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID number. This information is also included in text citations. ER ID numbers are assigned by the Environmental Programs Directorate's Records 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 and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.*

LANL (Los Alamos National Laboratory), May 2009. "2009 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-09-1340, Los Alamos, New Mexico. (LANL 2009, 106115)







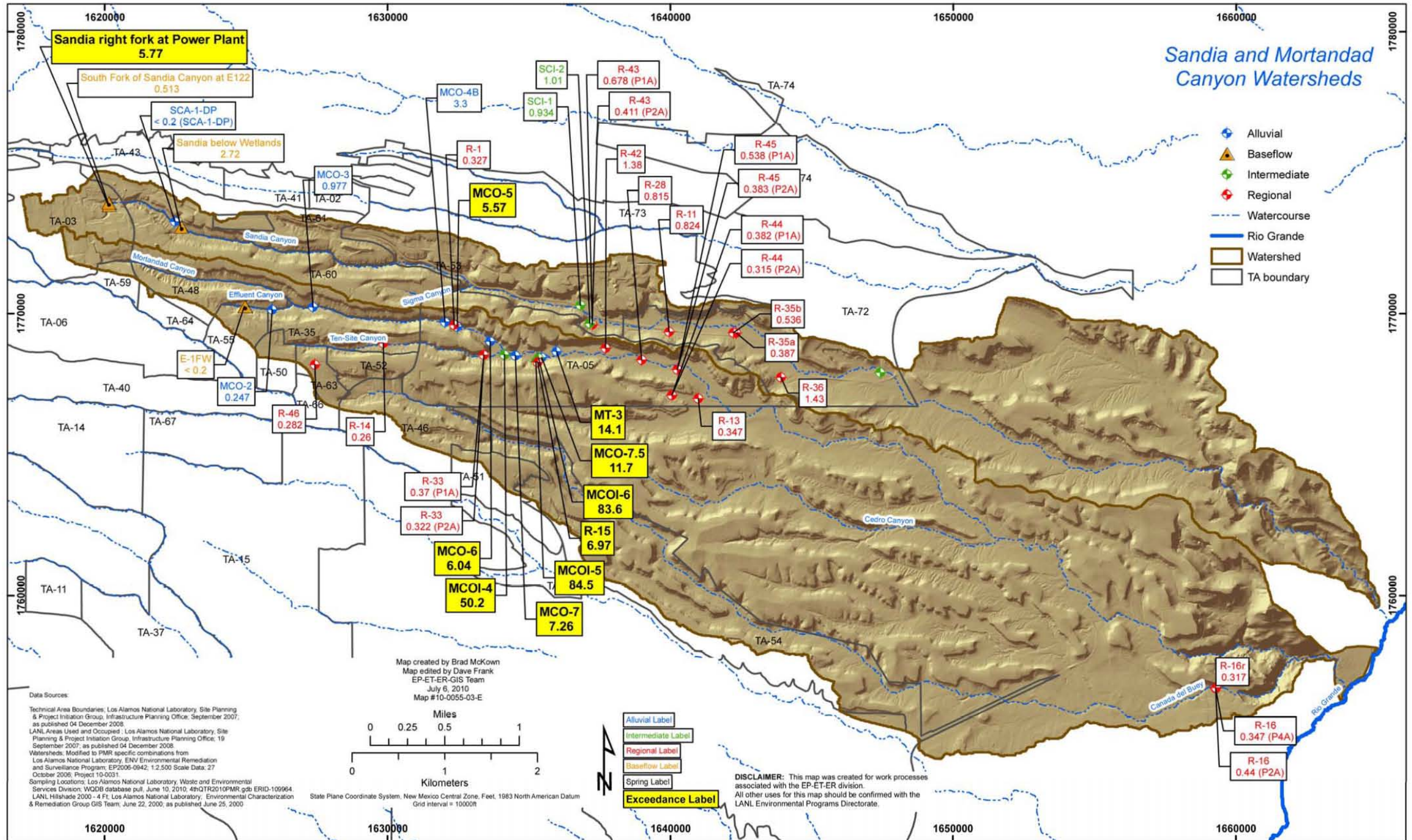
Note: Some locations on this map may not have been sampled (see Table 3.4-1).

Figure 2.0-1 Locations monitored for this PME





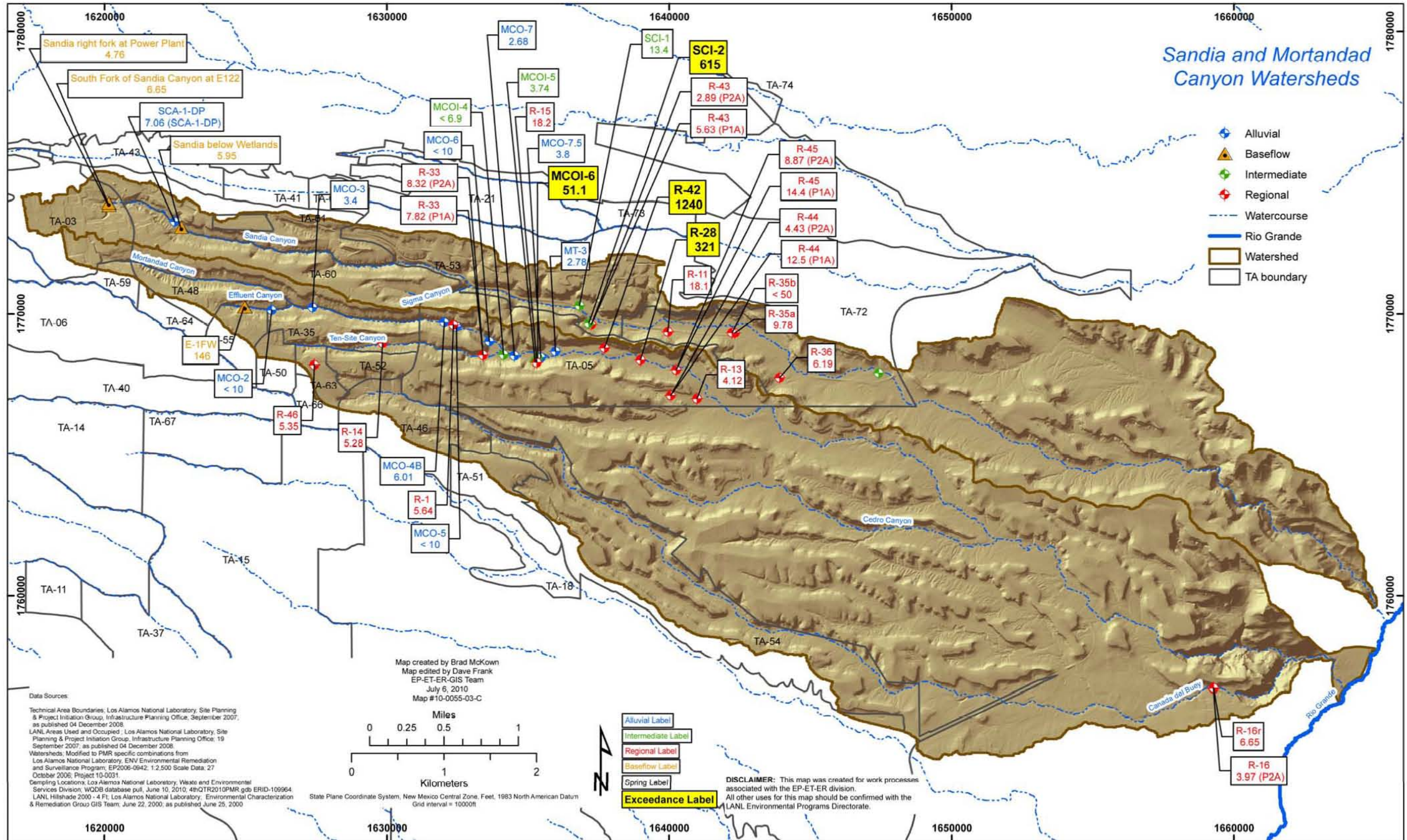




Note: Consent Order perchlorate screening level = 4 µg/L.

Figure 4.2-2 Watersheds filtered perchlorate concentrations in µg/L

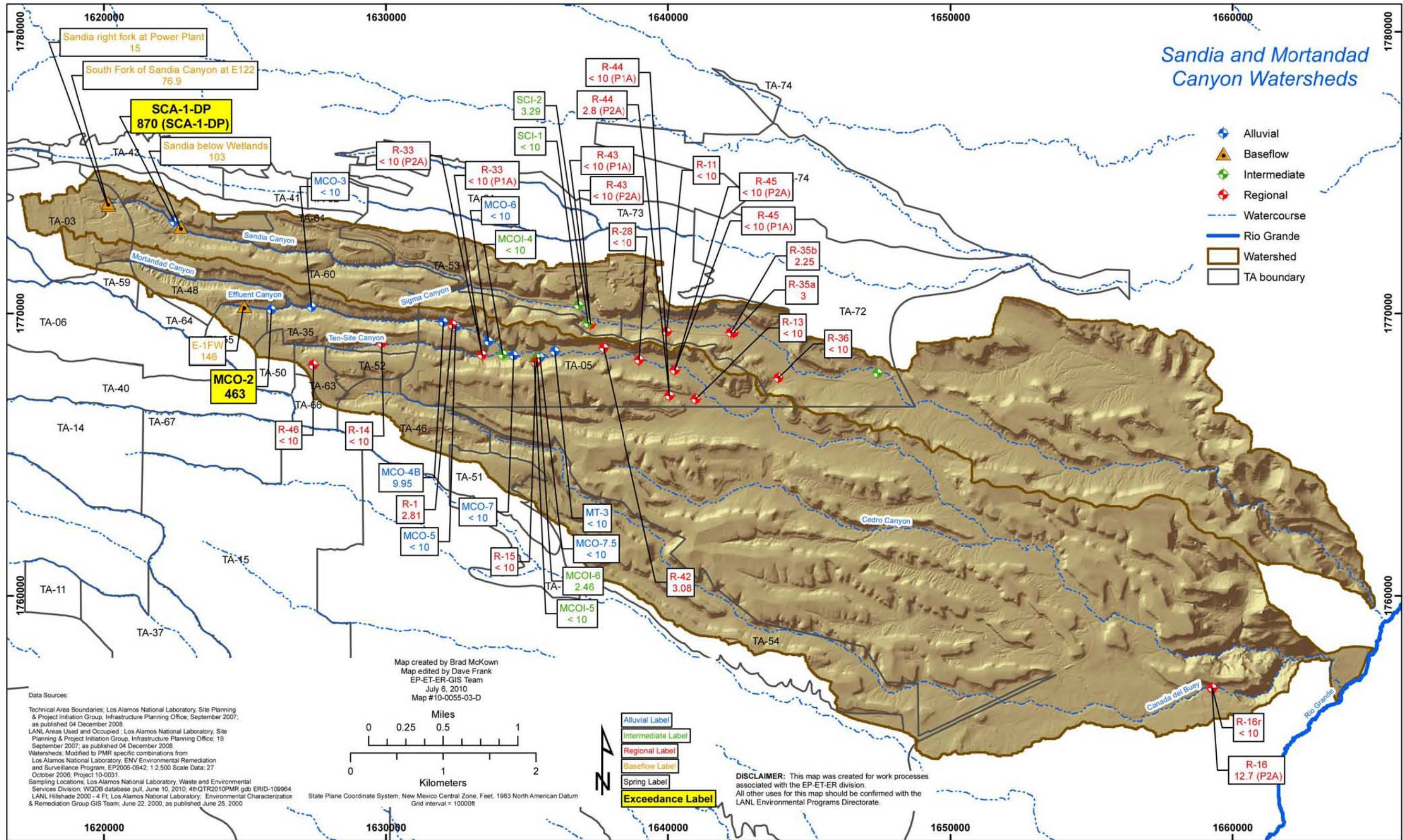




Note: NMWQCC groundwater filtered chromium screening level = 50 µg/L.

Figure 4.2-3 Watersheds filtered chromium concentrations in µg/L

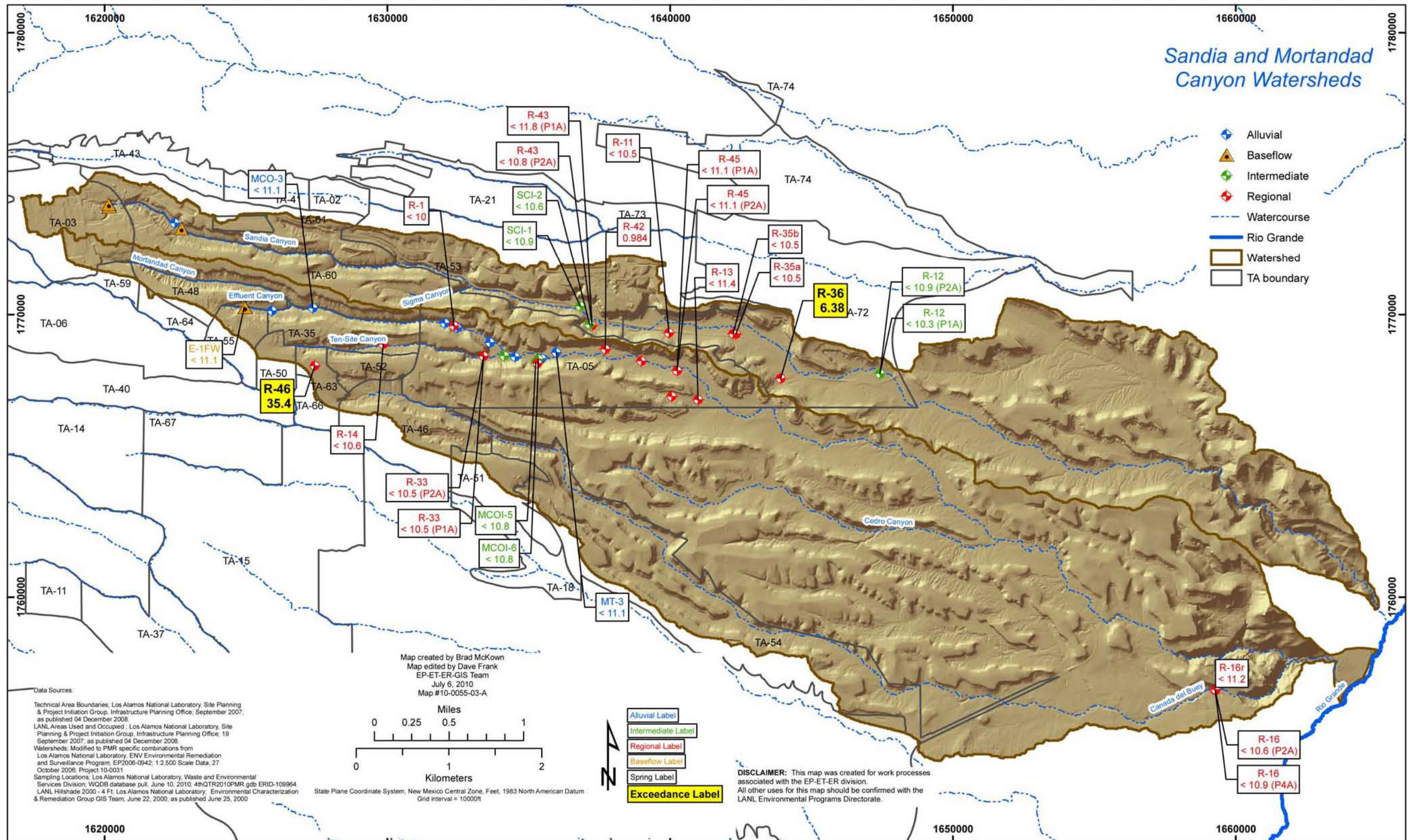




Note: NMWQCC groundwater filtered manganese screening level = 200 µg/L.

Figure 4.2-4 Watersheds filtered manganese concentrations in µg/L





Note: EPA MCL = 6 µg/L.

Figure 4.2-5 Watersheds unfiltered bis(2-ethylhexyl)phthalate concentrations in µg/L

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

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs <sup>a</sup> )	Water Level (ft amsl <sup>b</sup> )	Water Level Method
<b>Base Flow</b>												
E-1FW	02/02/10	n/a <sup>c</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Water was sampled from stagnant pool.	n/a	n/a
TS-1W	02/05/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry <sup>d</sup>	n/a	n/a
M-2E	02/10/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry	n/a	n/a
<b>Alluvial</b>												
MCA-5	02/10/10	Single	5631	1.75	4	1.75	5.75	n/a	n/a	Dry	n/a	n/a
MCO-2	01/29/10	Single	4551	2	7	2	9	1.1	3.3	0.00029	7134.37 ft	Manual
MCO-3	02/02/10	Single	4561	2	10	2	12	1.32	2	0.00031	7047.85 ft	Manual
MCO-4B	02/03/10	Single	4581	8.9	20	8.9	28.9	0.93	5.25	0.00027	6858.55 ft	Manual
MCO-5	01/27/10	Single	4591	21	25	21	46	5.08	6	0.00020	6847.52 ft	Manual
MCO-6	01/27/10	Single	4601	27	20	27	47	5.75	6.5	0.00045	6811.29 ft	Manual
MCO-7	01/28/10	Single	4631	39	30	39	69	4.79	6.5	0.00040	6787.5 ft	Manual
MCO-7.5	01/28/10	Single	4661	35	25	35	60	10.36	10.8	0.00047	6764.74 ft	Manual
MT-3	02/03/10	Single	5261	44	20	44	64	4.6	8.75	0.00047	6749.59 ft	Manual
TSCA-6	02/05/10	Single	6091	16.2	4.7	16.2	20.9	n/a	n/a	Dry	n/a	n/a
<b>Intermediate</b>												
MCOI-4	01/26/10	Single	5981	499	23.1	498.9	522	4	5.0	0.00134	6316.34 ft	Manual
MCOI-5	01/25/10	Single	5721	689	9.96	689.04	699	19.49	59.0	0.00111	6316.34 ft	Manual
MCOI-6	01/26/10	Single	5731	686	22.3	686	708.3	49.92	151.0	0.00356	6158.33 ft	Manual

Table 2.0-1 (continued)

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs <sup>a</sup> )	Water Level (ft amsl <sup>b</sup> )	Water Level Method
<b>Regional</b>												
R-1	02/11/10	Single	1701	1031.1	26.3	1031.12	1057.42	63.5	190	0.00735	5877.95 ft	Manual
R-13	02/11/10	Single	1741	958.3	60.39	958.33	1018.72	158.3	475	0.01225	5835.3 ft	Manual
R-14	02/03/10	Single	8571	1200.6	32.6	1200.6	1233.2	109.87	329.6	0.01493	5879.49 ft	Manual
R-15	02/11/10	Single	1751	958.6	61.7	958.6	1020.3	49.9	150	0.02228	5849.8 ft	Manual
R-16	02/08/10	P2A	8861	863.4	7.5	863.4	870.9	218.7	682	0.01003	5640.38 ft	Manual
R-16	02/08/10	P4A	8871	1237	7.6	1237	1244.6	44.3	136	0.00668	5546.56 ft	Manual
R-16r	02/04/10	Single	6341	600	17.6	600	617.6	55.1	165	0.01225	5692.27 ft	Manual
R-28	02/03/10	Single	1781	934.3	23.8	934.3	958.1	73.6	221	0.00847	5837.38 ft	Manual
R-33	01/28/10	P1A	5491	995.5	23	995.5	1018.5	74.46	228	0.00668	5870.43 ft	Manual
R-33	01/28/10	P2A	5501	1112.4	9.9	1112.4	1122.3	93.42	290	0.00579	5840.43 ft	Manual
R-34	02/10/10	Single	1791	895.15	22.9	883.7	906.6	102.59	309	0.00602	5833.49 ft	Manual
R-42	02/10/10	Single	8591	931.8	21.1	931.8	952.9	54.4	165	0.00379	5838.85 ft	Manual
R-44	02/10/10	P1A	8671	895	10	895	905	58.4	175.3	0.00802	5835.9 ft	Manual
R-44	02/10/10	P2A	8681	985.3	9.9	985.3	995.2	76.4	229.2	0.00735	5835.8 ft	Manual
R-45	01/27/10	P1A	8721	880	10	880	890	53.91	167	0.00735	5835.57 ft	Manual
R-45	01/27/10	P2A	8731	974.9	20	974.9	994.9	91.79	282	0.00691	5835.42 ft	Manual
R-46	02/05/10	Single	8741	1340	20.7	1340	1360.7	58.18	177	0.00980	5885.33 ft	Manual

<sup>a</sup> cfs =Cubic feet per second.

<sup>b</sup> amsl = Above mean sea level.

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

<sup>d</sup> See Table.3.4-1 for explanation.



**Table 2.0-2  
Sandia Watershed Monitoring Locations and General Information**

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs <sup>a</sup> )	Water Level (ft amsl <sup>b</sup> )	Water Level Method
<b>Base Flow</b>												
Middle Sandia Canyon at terminus of persistent base flow	02/05/10	n/a <sup>c</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Frozen <sup>d</sup>	n/a	n/a
Sandia below Wetlands E123	01/29/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.20007	n/a	n/a
Sandia right fork at Power Plant E121	02/01/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.22540	n/a	n/a
South Fork of Sandia Canyon at E122	02/01/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.22280	n/a	n/a
<b>Alluvial</b>												
SCA-1	01/26/10	Single	7981	1.3	0.6	1.3	1.9	n/a	n/a	n/a	Cancelled	n/a
SCA-1-DP	01/25/10	Single	8751	2.16	0.5	2.16	2.66	0.48	0.75	Not collected	7210.6 ft	Manual
SCA-2	02/05/10	Single	7991	10.3	4.7	10.3	15	n/a	n/a	Dry	n/a	n/a
SCA-3	02/05/10	Single	8001	27.6	4.4	27.6	32	n/a	n/a	Dry	n/a	n/a
SCA-4	02/05/10	Single	8011	37	4.5	37	41.5	n/a	n/a	Dry	n/a	n/a
SCA-5	02/05/10	Single	8021	55	9.4	55	64.4	n/a	n/a	Dry	n/a	n/a
<b>Intermediate</b>												
R-12	02/09/10	P1A	12	468.1	8.5	459	467.5	40.47	121.4	0.00223	6072.6 ft	Manual
R-12	02/09/10	P2A	52	507	3.5	504.5	508	53.52	161	0.02228	6072.86 ft	Manual
SCI-1	02/05/10	Single	8211	358.4	19.5	358.4	377.9	6.83	22	0.00067	6370.1 ft	Manual
SCI-2	02/08/10	Single	8601	548	20	548	568	6.67	20	0.00089	6202.6 ft	Manual

Table 2.0-2 (continued)

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs <sup>a</sup> )	Water Level (ft amsl <sup>b</sup> )	Water Level Method
<b>Regional</b>												
R-10	02/09/10	P1A	6381	874	23	874	897	209.2	659	0.02540	Transducer was malfunctioning.	n/a
R-10	02/09/10	P2A	6391	1042	23	1042	1065	143.23	431	0.01381	5695 ft	Manual
R-10a	02/09/10	Single	6371	690	10	690	700	67.79	206	0.00980	5739.9 ft	Manual
R-11	01/29/10	Single	5531	855	22.9	855	877.9	53.3	162	0.00668	5836.5 ft	Manual
R-35a	02/11/10	Single	8331	1013	49.1	1013.1	1062.2	239.66	720	0.00646	5827.01 ft	Manual
R-35b	02/11/10	Single	8351	825.4	23.1	825.4	848.5	68.49	208	0.00624	5835.93 ft	Manual
R-36	02/04/10	Single	8431	766.9	23	766.9	789.9	45.25	137	0.00735	5840.99 ft	Manual
R-43	02/02/10	P1A	8651	903.9	20.7	903.9	924.6	67.83	204	0.00290	5838.45 ft	Manual
R-43	02/02/10	P2A	8661	969.1	10	969.1	979.1	25.19	76	0.00267	5837.57 ft	Manual

<sup>a</sup> cfs =Cubic feet per second.

<sup>b</sup> amsl = Above mean sea level.

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

<sup>d</sup> See Table.3.4-1 for explanation.

**Table 3.4-1  
Mortandad PME Observations and Deviations**

Location	Deviation	Cause	Comment
TS-1W, TSCA-6	No data are included in this report for these locations	These locations were not sampled on 02/05/10 because they were dry	These locations will be sampled during the next scheduled PME
MCA-5, M-2E	No data are included in this report for these locations	These locations were not sampled on 02/10/10 because they were dry	These locations will be sampled during the next scheduled PME
MCOI-4	Limited data are included in this report for this location	There was limited sample water on 01/26/10, so a prioritized analytical suite was collected	Well will be sampled during the next scheduled PME
R-34	No data are included in this report for this location	Data for samples collected on 02/10/10 not reported in this report because of San Ildefonso Pueblo agreement	Data will be reported in next scheduled PMR after San Ildefonso Pueblo releases the data to the public
R-44 port 1	Limited data are included in this report for this location	SVOAs, pesticides, PCBs, and HEXP not analyzed due to missed holding time	n/a*
R-44 port 2	Limited data are included in this report for this location	SVOAs, pesticides, PCBs, and HEXP not analyzed due to missed holding time	n/a

\* n/a = Not applicable.

**Table 3.4-2  
Sandia PME Observations and Deviations**

Location	Deviation	Cause	Comment
R-10 Screens 1, 2	No data are included in this report for these well screens	Data for samples collected on 02/09/10 not reported in this report because of San Ildefonso Pueblo agreement	Data will be reported in next scheduled PMR after San Ildefonso Pueblo releases the data to the public
R10a	No data are included in this report for this location	Data for samples collected on 02/09/10 not reported in this report because of San Ildefonso Pueblo agreement	Data will be reported in next scheduled PMR after San Ildefonso Pueblo releases the data to the public
Middle Sandia Canyon at terminus of persistent base flow	No data are included in this report for this location	This location was not sampled on 02/05/10 because it was frozen	Location will be sampled when sufficient water is not frozen
SCA-2, SCA-3, SCA-4, SCA-5	No data are included in this report for these locations	These wells were not sampled on 02/05/10 because they were dry	Wells will be sampled when sufficient water is present

**Table 3.4-2 (continued)**

Location	Deviation	Cause	Comment
SCA-1	No data are included in this report for this location	This well was cancelled on 01/26/10 due to poor recharge history. SCA-1-DP sampled as alternate.	n/a*
SCA-1-DP	Limited data are included in this report for this location	Prioritized suite collected on 01/25/10 due to unsafe conditions	Well will be sampled when conditions are safe

\* n/a = Not applicable.

**Table 3.4-3  
Analytes with PQLs and MDLs above Screening-Level Values**

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
<b>Radionuclides</b>						
Np-237	Neptunium-237	n/a*	10	1.2	pCi/L	DOE DCG
<b>Semivolatile Organic Analytes</b>						
1912-24-9	Atrazine	2	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	2	50	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	1	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	3.6	µg/L	EPA Regional Tap
121-14-2	Dinitrotoluene[2,4-]	2	10	2.2	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
87-68-3	Hexachlorobutadiene	2	10	8.6	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
98-95-3	Nitrobenzene	3	10	1.2	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	2	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane)[2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NM GW STD



**Table 3.4-3 (continued)**

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
<b>Volatile Organic Analytes</b>						
107-02-8	Acrolein	3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.5	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

Note: This table is applicable to all samples reported in all PMRs.

\* n/a = Not applicable.

**Table 4.2-1**

**Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory**

Standard Type	Groundwater	Surface Water
DOE BCG	n/a <sup>a</sup>	X <sup>b</sup>
DOE 100 mrem Public Dose DCG	X	n/a
DOE 4 mrem Drinking Water DCG	X	n/a
EPA Primary Drinking Water Standard	X	n/a
EPA Regional Screening Levels for Tap Water	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Irrigation Standard	n/a	X
NMWQCC Livestock Watering Standard	n/a	X
NMWQCC Wildlife Habitat Standard	n/a	X
NMWQCC Aquatic Life Standards Acute	n/a	X
NMWQCC Aquatic Life Standards Chronic	n/a	X
NMWQCC Human Health Standard	n/a	X

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

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

**Table 4.2-2  
Mortandad Watershed Surface-Water and Groundwater Results above Screening Levels**

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
<b>Surface Water</b>							
E-1FW	02/02/10	Gross alpha	UF <sup>a</sup>	23.2	pCi/L	15	NM Livestock Watering Standard
E-1FW	02/02/10	Aluminum	F <sup>b</sup>	14000	µg/L	750	NM Aquatic Acute
E-1FW	02/02/10	Copper	F	13.5	µg/L	13.4	NM Aquatic Acute 100 mg
<b>Alluvial Groundwater</b>							
MCO-3	02/02/10	Strontium-90	UF	29.3	pCi/L	8	EPA MCL
MCO-5	01/27/10	Perchlorate	F	5.57	µg/L	4	NM Consent Order
MCO-6	01/27/10	Perchlorate	F	6.04	µg/L	4	NM Consent Order
MCO-7	01/28/10	Perchlorate	F	7.26	µg/L	4	NM Consent Order
MCO-7.5	01/28/10	Perchlorate	F	11.7	µg/L	4	NM Consent Order
MT-3	02/03/10	Perchlorate	F	14.1	µg/L	4	NM Consent Order
MCO-2	01/29/10	Chloride	F	3300	mg/L	250	NMWQCC GW STD
MCO-2	01/29/10	Fluoride	F	8.75	mg/L	1.6	NMWQCC GW STD
MCO-2	01/29/10	TDS	F	6180	mg/L	1000	NMWQCC GW STD
MCO-2	01/29/10	Barium	F	2360	µg/L	1000	NMWQCC GW STD
MCO-2	01/29/10	Manganese	F	463	µg/L	200	NMWQCC GW STD
<b>Intermediate Groundwater</b>							
MCOI-4	01/26/10	Perchlorate	F	50.2	µg/L	4	NM Consent Order
MCOI-5	01/25/10	Perchlorate	F	84.5	µg/L	4	NM Consent Order
MCOI-6	01/26/10	Perchlorate	F	83.6	µg/L	4	NM Consent Order
MCOI-6	01/26/10	Nitrate + nitrite (as nitrogen)	F	11.6	mg/L	10	NMWQCC GW STD
MCOI-6	01/26/10	Chromium	F	51.1	µg/L	50	NMWQCC GW STD
<b>Regional Groundwater</b>							
R-15	02/11/10	Perchlorate	F	6.97	µg/L	4	NM Consent Order
R-42	02/10/10	Chromium	F	1240	µg/L	50	NMWQCC GW STD
R-28	02/03/10	Chromium	F	321	µg/L	50	NMWQCC GW STD
R-46	02/05/10	Bis(2-ethylhexyl)phthalate	UF	35.4	µg/L	6	EPA MCL

<sup>a</sup> UF = Unfiltered.

<sup>b</sup> F = Filtered.

**Table 4.2-3  
Sandia Watershed Surface-Water and Groundwater Results above Screening Levels**

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
<b>Surface Water</b>							
Sandia right fork at Power Plant	02/01/10	Perchlorate	F <sup>a</sup>	4.96	µg/L	4	NM Consent Order
<b>Alluvial Groundwater</b>							
SCA-1-DP	01/25/10	Chloride	F	263	mg/L	250	NMWQCC GW STD
SCA-1-DP	01/25/10	Manganese	F	870	µg/L	200	NMWQCC GW STD
<b>Intermediate Groundwater</b>							
SCI-2	02/08/10	Chromium	F	615	µg/L	50	NMWQCC GW STD
<b>Regional Groundwater</b>							
R-36	02/04/10	Bis(2-ethylhexyl) phthalate	UF <sup>b</sup>	6.38	µg/L	6	EPA MCL

<sup>a</sup> F = Filtered.

<sup>b</sup> UF = Unfiltered.



# **Appendix A**

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*Field Parameter Results, Including Results from  
Previous Four Monitoring Events if Available*



**Table A-1  
Mortandad Field Parameter Results**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
E-1FW	n/a <sup>a</sup>	n/a	02/02/10	WS <sup>b</sup>	Dissolved Oxygen	3.33	mg/L	CAMO-10-9108
E-1FW	n/a	n/a	08/18/09	WS	Dissolved Oxygen	0.48	mg/L	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Dissolved Oxygen	1.76	mg/L	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Dissolved Oxygen	1.84	mg/L	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Dissolved Oxygen	1.08	mg/L	CAMO-08-14406
E-1FW	n/a	n/a	02/02/10	WS	pH	6.21	SU <sup>c</sup>	CAMO-10-9108
E-1FW	n/a	n/a	08/18/09	WS	pH	5.93	SU	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	pH	5.8	SU	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	pH	5.56	SU	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	pH	5.9	SU	CAMO-08-14406
E-1FW	n/a	n/a	02/02/10	WS	Specific Conductance	289	μS/cm <sup>d</sup>	CAMO-10-9108
E-1FW	n/a	n/a	08/18/09	WS	Specific Conductance	360	μS/cm	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Specific Conductance	482	μS/cm	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Specific Conductance	500	μS/cm	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Specific Conductance	597	μS/cm	CAMO-08-14406
E-1FW	n/a	n/a	02/02/10	WS	Temperature	1.32	deg C	CAMO-10-9108
E-1FW	n/a	n/a	08/18/09	WS	Temperature	13.36	deg C	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Temperature	2.82	deg C	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Temperature	6.1	deg C	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Temperature	16.4	deg C	CAMO-08-14406
E-1FW	n/a	n/a	02/02/10	WS	Turbidity	291	NTU <sup>e</sup>	CAMO-10-9108
E-1FW	n/a	n/a	08/18/09	WS	Turbidity	115	NTU	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Turbidity	29.5	NTU	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Turbidity	13.5	NTU	CAMO-09-713
E-1FW	n/a	n/a	02/20/08	WS	Turbidity	6.04	NTU	CAMO-08-10862
MCO-2	4551	2	01/29/10	WG <sup>f</sup>	Dissolved Oxygen	1.07	mg/L	CAMO-10-9274

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-2	4551	2	08/12/09	WG	Dissolved Oxygen	1.07	mg/L	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Dissolved Oxygen	0.9	mg/L	CAMO-09-2508
MCO-2	4551	2	08/13/08	WG	Dissolved Oxygen	0.8	mg/L	CAMO-08-14460
MCO-2	4551	2	05/28/08	WG	Dissolved Oxygen	3.5	mg/L	CAMO-08-12715
MCO-2	4551	2	01/29/10	WG	Oxidation Reduction Potential	250.1	mV <sup>g</sup>	CAMO-10-9274
MCO-2	4551	2	08/12/09	WG	Oxidation Reduction Potential	403.6	mV	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Oxidation Reduction Potential	273.1	mV	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Oxidation Reduction Potential	329	mV	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Oxidation Reduction Potential	81	mV	CAMO-08-14460
MCO-2	4551	2	08/12/09	WG	pH	6.21	SU	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	pH	6.02	SU	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	pH	6.22	SU	CAMO-09-762
MCO-2	4551	2	01/29/10	WG	Specific Conductance	10823	μS/cm	CAMO-10-9274
MCO-2	4551	2	08/12/09	WG	Specific Conductance	261	μS/cm	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Specific Conductance	1199	μS/cm	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Specific Conductance	545	μS/cm	CAMO-09-762
MCO-2	4551	2	01/29/10	WG	Temperature	2.14	deg C	CAMO-10-9274
MCO-2	4551	2	08/12/09	WG	Temperature	15.52	deg C	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Temperature	4.06	deg C	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Temperature	9.9	deg C	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Temperature	17.8	deg C	CAMO-08-14460
MCO-3	4561	2	02/02/10	WG	Dissolved Oxygen	8.77	mg/L	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Dissolved Oxygen	4.22	mg/L	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Dissolved Oxygen	0.95	mg/L	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Dissolved Oxygen	6.79	mg/L	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Dissolved Oxygen	10.54	mg/L	CAMO-09-4069
MCO-3	4561	2	02/02/10	WG	pH	6.7	SU	CAMO-10-9308



Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-3	4561	2	11/05/09	WG	pH	6.93	SU	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	pH	6.77	SU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	pH	6.99	SU	CAMO-09-8408
MCO-3	4561	2	02/02/10	WG	Specific Conductance	610	μS/cm	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Specific Conductance	288	μS/cm	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Specific Conductance	331	μS/cm	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Specific Conductance	505	μS/cm	CAMO-09-8408
MCO-3	4561	2	02/02/10	WG	Temperature	2.65	deg C	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Temperature	6.53	deg C	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Temperature	14.19	deg C	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Temperature	6.81	deg C	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Temperature	1.37	deg C	CAMO-09-4069
MCO-3	4561	2	02/02/10	WG	Turbidity	2.01	NTU	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Turbidity	67.3	NTU	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Turbidity	61.4	NTU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Turbidity	5.7	NTU	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Turbidity	0.8	NTU	CAMO-09-4069
MCO-4B	4581	8.9	02/03/10	WG	Dissolved Oxygen	8.54	mg/L	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Dissolved Oxygen	8.29	mg/L	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Dissolved Oxygen	11.14	mg/L	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Dissolved Oxygen	8.45	mg/L	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Dissolved Oxygen	8.77	mg/L	CAMO-09-2582
MCO-4B	4581	8.9	02/03/10	WG	Oxidation Reduction Potential	263.6	mV	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Oxidation Reduction Potential	143.8	mV	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Oxidation Reduction Potential	374.3	mV	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Oxidation Reduction Potential	142.5	mV	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Oxidation Reduction Potential	190	mV	CAMO-09-2582

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-4B	4581	8.9	02/03/10	WG	pH	6.54	SU	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	pH	6.54	SU	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	pH	6.1	SU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	pH	6.15	SU	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	pH	6.84	SU	CAMO-09-2582
MCO-4B	4581	8.9	02/03/10	WG	Specific Conductance	388	μS/cm	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Specific Conductance	473	μS/cm	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Specific Conductance	326	μS/cm	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Specific Conductance	303	μS/cm	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Specific Conductance	316	μS/cm	CAMO-09-2582
MCO-4B	4581	8.9	02/03/10	WG	Temperature	8.49	deg C	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Temperature	8.81	deg C	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Temperature	8.32	deg C	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Temperature	8.33	deg C	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Temperature	8	deg C	CAMO-09-2582
MCO-4B	4581	8.9	02/03/10	WG	Turbidity	50	NTU	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Turbidity	1.81	NTU	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Turbidity	3.14	NTU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Turbidity	39.6	NTU	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Turbidity	66.8	NTU	CAMO-09-2582
MCO-5	4591	21	01/27/10	WG	Dissolved Oxygen	7.54	mg/L	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	Dissolved Oxygen	8.78	mg/L	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Dissolved Oxygen	8.83	mg/L	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Dissolved Oxygen	9.4	mg/L	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Dissolved Oxygen	10.38	mg/L	CAMO-08-14474
MCO-5	4591	21	01/27/10	WG	Oxidation Reduction Potential	255.1	mV	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	Oxidation Reduction Potential	448.2	mV	CAMO-09-9502

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-5	4591	21	02/11/09	WG	Oxidation Reduction Potential	435.4	mV	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Oxidation Reduction Potential	418	mV	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Oxidation Reduction Potential	203	mV	CAMO-08-14474
MCO-5	4591	21	01/27/10	WG	pH	6.48	SU	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	pH	6.25	SU	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	pH	6.83	SU	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	pH	6.72	SU	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	pH	6.8	SU	CAMO-08-14474
MCO-5	4591	21	01/27/10	WG	Specific Conductance	442	µS/cm	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	Specific Conductance	399	µS/cm	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Specific Conductance	375	µS/cm	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Specific Conductance	498	µS/cm	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Specific Conductance	542	µS/cm	CAMO-08-14474
MCO-5	4591	21	01/27/10	WG	Temperature	8.74	deg C	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	Temperature	9.05	deg C	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Temperature	7.69	deg C	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Temperature	8.9	deg C	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Temperature	11.6	deg C	CAMO-08-14474
MCO-5	4591	21	01/27/10	WG	Turbidity	14	NTU	CAMO-10-9285
MCO-5	4591	21	08/17/09	WG	Turbidity	2.31	NTU	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Turbidity	14	NTU	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Turbidity	3.76	NTU	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Turbidity	4.12	NTU	CAMO-08-14474
MCO-6	4601	27	01/27/10	WG	Dissolved Oxygen	7.61	mg/L	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Dissolved Oxygen	8.49	mg/L	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Dissolved Oxygen	8.84	mg/L	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Dissolved Oxygen	8.16	mg/L	CAMO-09-8146

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-6	4601	27	02/04/09	WG	Dissolved Oxygen	8.52	mg/L	CAMO-09-2585
MCO-6	4601	27	01/27/10	WG	Oxidation Reduction Potential	245.4	mV	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Oxidation Reduction Potential	465	mV	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Oxidation Reduction Potential	490.3	mV	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Oxidation Reduction Potential	124.9	mV	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Oxidation Reduction Potential	402	mV	CAMO-09-2585
MCO-6	4601	27	01/27/10	WG	pH	6.47	SU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	pH	6.49	SU	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	pH	5.82	SU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	pH	6.78	SU	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	pH	6.68	SU	CAMO-09-2585
MCO-6	4601	27	01/27/10	WG	Specific Conductance	453	μS/cm	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Specific Conductance	475	μS/cm	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Specific Conductance	389	μS/cm	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Specific Conductance	353	μS/cm	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Specific Conductance	343	μS/cm	CAMO-09-2585
MCO-6	4601	27	01/27/10	WG	Temperature	9.06	deg C	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Temperature	9.08	deg C	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Temperature	9.68	deg C	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Temperature	11.63	deg C	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Temperature	9	deg C	CAMO-09-2585
MCO-6	4601	27	01/27/10	WG	Turbidity	2.33	NTU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Turbidity	1.11	NTU	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Turbidity	2.45	NTU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Turbidity	8.89	NTU	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Turbidity	4.9	NTU	CAMO-09-2585
MCO-7	4631	39	01/28/10	WG	Dissolved Oxygen	10.41	mg/L	CAMO-10-9289

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7	4631	39	11/10/09	WG	Dissolved Oxygen	8.65	mg/L	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Dissolved Oxygen	7.83	mg/L	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Dissolved Oxygen	7.95	mg/L	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Dissolved Oxygen	8.18	mg/L	CAMO-09-2587
MCO-7	4631	39	01/28/10	WG	Oxidation Reduction Potential	466.6	mV	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Oxidation Reduction Potential	483	mV	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Oxidation Reduction Potential	370.2	mV	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Oxidation Reduction Potential	211.4	mV	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Oxidation Reduction Potential	400	mV	CAMO-09-2587
MCO-7	4631	39	01/28/10	WG	pH	6.61	SU	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	pH	6.39	SU	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	pH	6.66	SU	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	pH	6.73	SU	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	pH	6.67	SU	CAMO-09-2587
MCO-7	4631	39	01/28/10	WG	Specific Conductance	475	μS/cm	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Specific Conductance	454	μS/cm	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Specific Conductance	400	μS/cm	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Specific Conductance	332	μS/cm	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Specific Conductance	323	μS/cm	CAMO-09-2587
MCO-7	4631	39	01/28/10	WG	Temperature	9.7	deg C	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Temperature	9.88	deg C	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Temperature	10.77	deg C	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Temperature	10.6	deg C	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Temperature	9.7	deg C	CAMO-09-2587
MCO-7	4631	39	01/28/10	WG	Turbidity	4.5	NTU	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Turbidity	4.87	NTU	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Turbidity	4.78	NTU	CAMO-09-9514

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7	4631	39	05/04/09	WG	Turbidity	4.76	NTU	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Turbidity	2.8	NTU	CAMO-09-2587
MCO-7.5	4661	35	01/28/10	WG	Dissolved Oxygen	10.63	mg/L	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	Dissolved Oxygen	6.5	mg/L	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Dissolved Oxygen	7.04	mg/L	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Dissolved Oxygen	7.6	mg/L	CAMO-09-772
MCO-7.5	4661	35	05/28/08	WG	Dissolved Oxygen	10.5	mg/L	CAMO-08-12726
MCO-7.5	4661	35	01/28/10	WG	Oxidation Reduction Potential	430.7	mV	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	Oxidation Reduction Potential	128.9	mV	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Oxidation Reduction Potential	318.5	mV	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Oxidation Reduction Potential	472	mV	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Oxidation Reduction Potential	14	mV	CAMO-08-14486
MCO-7.5	4661	35	01/28/10	WG	pH	6.82	SU	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	pH	6.79	SU	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	pH	6.8	SU	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	pH	6.67	SU	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	pH	6.9	SU	CAMO-08-14486
MCO-7.5	4661	35	01/28/10	WG	Specific Conductance	479	μS/cm	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	Specific Conductance	365	μS/cm	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Specific Conductance	329	μS/cm	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Specific Conductance	417	μS/cm	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Specific Conductance	438	μS/cm	CAMO-08-14486
MCO-7.5	4661	35	01/28/10	WG	Temperature	9.96	deg C	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	Temperature	10.81	deg C	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Temperature	10.01	deg C	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Temperature	10.3	deg C	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Temperature	11.1	deg C	CAMO-08-14486

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7.5	4661	35	01/28/10	WG	Turbidity	3.04	NTU	CAMO-10-9293
MCO-7.5	4661	35	08/05/09	WG	Turbidity	12.8	NTU	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Turbidity	1.68	NTU	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Turbidity	1.01	NTU	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Turbidity	1.11	NTU	CAMO-08-14486
MCOI-4	5981	499	01/26/10	WG	Dissolved Oxygen	9.18	mg/L	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Dissolved Oxygen	10.61	mg/L	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Dissolved Oxygen	9.94	mg/L	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Dissolved Oxygen	10.09	mg/L	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Dissolved Oxygen	9.34	mg/L	CAMO-09-2595
MCOI-4	5981	499	01/26/10	WG	Oxidation Reduction Potential	413.7	mV	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Oxidation Reduction Potential	365	mV	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Oxidation Reduction Potential	337.6	mV	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Oxidation Reduction Potential	447	mV	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Oxidation Reduction Potential	322	mV	CAMO-09-2595
MCOI-4	5981	499	01/26/10	WG	pH	6.95	SU	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	pH	7.77	SU	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	pH	7.2	SU	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	pH	6.84	SU	CAMO-09-8156
MCOI-4	5981	499	01/26/10	WG	Specific Conductance	285	µS/cm	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Specific Conductance	278	µS/cm	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Specific Conductance	224	µS/cm	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Specific Conductance	205	µS/cm	CAMO-09-8156
MCOI-4	5981	499	01/26/10	WG	Temperature	10.88	deg C	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Temperature	13.04	deg C	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Temperature	14.75	deg C	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Temperature	13.09	deg C	CAMO-09-8156

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-4	5981	499	02/11/09	WG	Temperature	9.28	deg C	CAMO-09-2595
MCOI-4	5981	499	01/26/10	WG	Turbidity	3.2	NTU	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Turbidity	2.92	NTU	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Turbidity	1.52	NTU	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Turbidity	0.53	NTU	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Turbidity	43.7	NTU	CAMO-09-2595
MCOI-5	5721	689	01/25/10	WG	Dissolved Oxygen	6.64	mg/L	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Dissolved Oxygen	5.51	mg/L	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Dissolved Oxygen	6.3	mg/L	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-2599
MCOI-5	5721	689	01/25/10	WG	Oxidation Reduction Potential	227.3	mV	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Oxidation Reduction Potential	127.9	mV	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Oxidation Reduction Potential	347.9	mV	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Oxidation Reduction Potential	421.8	mV	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Oxidation Reduction Potential	171.9	mV	CAMO-09-2599
MCOI-5	5721	689	01/25/10	WG	pH	7.97	SU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	pH	7.57	SU	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	pH	7.93	SU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	pH	7.85	SU	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	pH	7.75	SU	CAMO-09-2599
MCOI-5	5721	689	01/25/10	WG	Specific Conductance	176	μS/cm	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Specific Conductance	182	μS/cm	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Specific Conductance	156	μS/cm	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Specific Conductance	152	μS/cm	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Specific Conductance	150	μS/cm	CAMO-09-2599
MCOI-5	5721	689	01/25/10	WG	Temperature	12.96	deg C	CAMO-10-9315



Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-5	5721	689	11/03/09	WG	Temperature	13.99	deg C	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Temperature	15.24	deg C	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Temperature	15.13	deg C	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Temperature	13.35	deg C	CAMO-09-2599
MCOI-5	5721	689	01/25/10	WG	Turbidity	1.18	NTU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Turbidity	0.78	NTU	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Turbidity	1.23	NTU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Turbidity	6.45	NTU	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Turbidity	3.81	NTU	CAMO-09-2599
MCOI-6	5731	686	01/26/10	WG	Dissolved Oxygen	6.82	mg/L	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Dissolved Oxygen	6.42	mg/L	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Dissolved Oxygen	5.39	mg/L	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Dissolved Oxygen	7.93	mg/L	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Dissolved Oxygen	5.82	mg/L	CAMO-09-2600
MCOI-6	5731	686	01/26/10	WG	Oxidation Reduction Potential	211.8	mV	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Oxidation Reduction Potential	94.1	mV	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Oxidation Reduction Potential	117.9	mV	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Oxidation Reduction Potential	236	mV	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Oxidation Reduction Potential	377.1	mV	CAMO-09-2600
MCOI-6	5731	686	01/26/10	WG	pH	6.49	SU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	pH	7.08	SU	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	pH	7.14	SU	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	pH	6.9	SU	CAMO-09-8169
MCOI-6	5731	686	01/26/10	WG	Specific Conductance	488	μS/cm	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Specific Conductance	537	μS/cm	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Specific Conductance	576	μS/cm	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Specific Conductance	443	μS/cm	CAMO-09-8169

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-6	5731	686	01/26/10	WG	Temperature	15.05	deg C	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Temperature	16.98	deg C	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Temperature	25.28	deg C	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Temperature	16.31	deg C	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Temperature	12.53	deg C	CAMO-09-2600
MCOI-6	5731	686	01/26/10	WG	Turbidity	0.45	NTU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Turbidity	0.57	NTU	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Turbidity	1.24	NTU	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Turbidity	0.45	NTU	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Turbidity	0.55	NTU	CAMO-09-2600
MT-3	5261	44	08/16/07	WG	Alkalinity-CO3+HCO3	186	mg/L	FU070800G3TM01
MT-3	5261	44	02/03/10	WG	Dissolved Oxygen	8.71	mg/L	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	Dissolved Oxygen	6.98	mg/L	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	Dissolved Oxygen	9.4	mg/L	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	Dissolved Oxygen	5.59	mg/L	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	Dissolved Oxygen	5.77	mg/L	FU070600G3TM01
MT-3	5261	44	02/03/10	WG	Oxidation Reduction Potential	279.8	mV	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	Oxidation Reduction Potential	340	mV	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	Oxidation Reduction Potential	513.4	mV	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	Oxidation Reduction Potential	362	mV	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	Oxidation Reduction Potential	276	mV	FU070600G3TM01
MT-3	5261	44	02/03/10	WG	pH	6.85	SU	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	pH	7.01	SU	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	pH	7.12	SU	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	pH	7.15	SU	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	pH	7.11	SU	FU070600G3TM01
MT-3	5261	44	02/03/10	WG	Specific Conductance	472	µS/cm	CAMO-10-9298

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MT-3	5261	44	02/06/08	WG	Specific Conductance	463	μS/cm	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	Specific Conductance	402	μS/cm	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	Specific Conductance	437	μS/cm	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	Specific Conductance	432	μS/cm	FU070600G3TM01
MT-3	5261	44	02/03/10	WG	Temperature	10.12	deg C	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	Temperature	11.7	deg C	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	Temperature	10.3	deg C	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	Temperature	13.4	deg C	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	Temperature	12.1	deg C	FU070600G3TM01
MT-3	5261	44	02/03/10	WG	Turbidity	53.9	NTU	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	Turbidity	3.54	NTU	CAMO-08-10502
MT-3	5261	44	10/26/06	WG	Turbidity	3.74	NTU	FU060900G3TM01
MT-3	5261	44	08/16/07	WG	Turbidity	3.83	NTU	FU070800G3TM01
MT-3	5261	44	06/07/07	WG	Turbidity	4.93	NTU	FU070600G3TM01
R-1	1701	1031.1	02/11/10	WG	Dissolved Oxygen	4.65	mg/L	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Dissolved Oxygen	5.09	mg/L	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Dissolved Oxygen	4.98	mg/L	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Dissolved Oxygen	5.4	mg/L	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Dissolved Oxygen	5.59	mg/L	CAMO-09-2607
R-1	1701	1031.1	02/11/10	WG	Oxidation Reduction Potential	193.9	mV	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Oxidation Reduction Potential	83.6	mV	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Oxidation Reduction Potential	79.4	mV	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Oxidation Reduction Potential	126.2	mV	CAMO-09-2607
R-1	1701	1031.1	02/11/10	WG	pH	7.22	SU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	pH	7.45	SU	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	pH	7.36	SU	CAMO-09-9549

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-1	1701	1031.1	05/01/09	WG	pH	7.62	SU	CAMO-09-8172
R-1	1701	1031.1	02/11/10	WG	Specific Conductance	140	μS/cm	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Specific Conductance	133	μS/cm	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Specific Conductance	151	μS/cm	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Specific Conductance	130	μS/cm	CAMO-09-8172
R-1	1701	1031.1	02/11/10	WG	Temperature	20.26	deg C	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Temperature	20.4	deg C	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Temperature	22.78	deg C	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Temperature	22.29	deg C	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Temperature	19.71	deg C	CAMO-09-2607
R-1	1701	1031.1	02/11/10	WG	Turbidity	1.42	NTU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Turbidity	0.33	NTU	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Turbidity	0.7	NTU	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Turbidity	0.3	NTU	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Turbidity	0.54	NTU	CAMO-09-2607
R-13	1741	958.3	02/11/10	WG	Dissolved Oxygen	6.05	mg/L	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Dissolved Oxygen	5.38	mg/L	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Dissolved Oxygen	5.24	mg/L	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Dissolved Oxygen	5.89	mg/L	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Dissolved Oxygen	4.81	mg/L	CAMO-09-2628
R-13	1741	958.3	02/11/10	WG	Oxidation Reduction Potential	390.7	mV	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Oxidation Reduction Potential	171.9	mV	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Oxidation Reduction Potential	154.9	mV	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Oxidation Reduction Potential	203.2	mV	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Oxidation Reduction Potential	330.3	mV	CAMO-09-2628
R-13	1741	958.3	02/11/10	WG	pH	7.95	SU	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	pH	7.91	SU	CAMO-10-3134

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-13	1741	958.3	08/06/09	WG	pH	8.17	SU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	pH	8.09	SU	CAMO-09-8180
R-13	1741	958.3	02/11/10	WG	Specific Conductance	139	μS/cm	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Specific Conductance	135	μS/cm	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Specific Conductance	137	μS/cm	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Specific Conductance	122	μS/cm	CAMO-09-8180
R-13	1741	958.3	02/11/10	WG	Temperature	20.92	deg C	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Temperature	20.53	deg C	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Temperature	22.11	deg C	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Temperature	22.13	deg C	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Temperature	20.03	deg C	CAMO-09-2628
R-13	1741	958.3	02/11/10	WG	Turbidity	0.47	NTU	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Turbidity	0.17	NTU	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Turbidity	0.78	NTU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Turbidity	0.23	NTU	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Turbidity	0.71	NTU	CAMO-09-2628
R-14	8571	1200.6	02/18/09	WG	Dissolved Oxygen	2.11	mg/L	CAMO-09-2863
R-14	8571	1200.6	02/03/10	WG	Dissolved Oxygen	4.16	mg/L	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Dissolved Oxygen	3.69	mg/L	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Dissolved Oxygen	4.07	mg/L	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Dissolved Oxygen	3.71	mg/L	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Oxidation Reduction Potential	246	mV	CAMO-09-2863
R-14	8571	1200.6	02/03/10	WG	Oxidation Reduction Potential	235.1	mV	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Oxidation Reduction Potential	56.9	mV	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Oxidation Reduction Potential	173.1	mV	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Oxidation Reduction Potential	81.6	mV	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	pH	8.97	SU	CAMO-09-2863

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-14	8571	1200.6	02/03/10	WG	pH	8.12	SU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	pH	8.06	SU	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	pH	8.18	SU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	pH	8.02	SU	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Specific Conductance	140	μS/cm	CAMO-09-2863
R-14	8571	1200.6	02/03/10	WG	Specific Conductance	131	μS/cm	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Specific Conductance	134	μS/cm	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Specific Conductance	130	μS/cm	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Specific Conductance	138	μS/cm	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Temperature	23.03	deg C	CAMO-09-2863
R-14	8571	1200.6	02/03/10	WG	Temperature	19.02	deg C	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Temperature	23.81	deg C	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Temperature	23.9	deg C	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Temperature	24.16	deg C	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Turbidity	1.17	NTU	CAMO-09-2863
R-14	8571	1200.6	02/03/10	WG	Turbidity	0.59	NTU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Turbidity	0.85	NTU	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Turbidity	0.94	NTU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Turbidity	0.97	NTU	CAMO-09-8207
R-15	1751	958.6	02/11/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Dissolved Oxygen	5.94	mg/L	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Dissolved Oxygen	5.65	mg/L	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Dissolved Oxygen	7.28	mg/L	CAMO-09-11413
R-15	1751	958.6	02/17/09	WG	Dissolved Oxygen	7.28	mg/L	CAMO-09-2615
R-15	1751	958.6	02/11/10	WG	Oxidation Reduction Potential	352.3	mV	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Oxidation Reduction Potential	180.6	mV	CAMO-10-3138

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-15	1751	958.6	08/06/09	WG	Oxidation Reduction Potential	170.5	mV	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Oxidation Reduction Potential	267.9	mV	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Oxidation Reduction Potential	231.9	mV	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Oxidation Reduction Potential	231.9	mV	CAMO-09-11413
R-15	1751	958.6	02/11/10	WG	pH	7.78	SU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	pH	8.05	SU	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	pH	8.3	SU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	pH	7.86	SU	CAMO-09-8173
R-15	1751	958.6	02/11/10	WG	Specific Conductance	152	µS/cm	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Specific Conductance	157	µS/cm	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Specific Conductance	149	µS/cm	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Specific Conductance	132	µS/cm	CAMO-09-8173
R-15	1751	958.6	02/11/10	WG	Temperature	19.25	deg C	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Temperature	19.78	deg C	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Temperature	20.69	deg C	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Temperature	19.82	deg C	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Temperature	19.79	deg C	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Temperature	19.79	deg C	CAMO-09-11413
R-15	1751	958.6	02/11/10	WG	Turbidity	2.38	NTU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Turbidity	2.14	NTU	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Turbidity	1.68	NTU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Turbidity	0.91	NTU	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Turbidity	2.76	NTU	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Turbidity	2.76	NTU	CAMO-09-11413
R-16	8861	863.4	02/08/10	WG	Dissolved Oxygen	4.9	mg/L	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Dissolved Oxygen	5.14	mg/L	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Dissolved Oxygen	4.97	mg/L	CAMO-10-3150

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8861	863.4	10/23/09	WG	Dissolved Oxygen	7.32	mg/L	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-9306
R-16	8861	863.4	02/08/10	WG	Oxidation Reduction Potential	95.1	mV	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Oxidation Reduction Potential	115.7	mV	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Oxidation Reduction Potential	292.5	mV	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Oxidation Reduction Potential	196.2	mV	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	Oxidation Reduction Potential	89.3	mV	CAMO-09-9306
R-16	8861	863.4	02/08/10	WG	pH	7.89	SU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	pH	7.93	SU	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	pH	7.98	SU	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	pH	8.02	SU	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	pH	8.33	SU	CAMO-09-9306
R-16	8861	863.4	02/08/10	WG	Specific Conductance	163	µS/cm	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Specific Conductance	173	µS/cm	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Specific Conductance	173	µS/cm	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Specific Conductance	169	µS/cm	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	Specific Conductance	525	µS/cm	CAMO-09-9306
R-16	8861	863.4	02/08/10	WG	Temperature	19.83	deg C	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Temperature	20.61	deg C	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Temperature	21.75	deg C	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Temperature	22.31	deg C	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	Temperature	24.3	deg C	CAMO-09-9306
R-16	8861	863.4	02/08/10	WG	Turbidity	0.34	NTU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Turbidity	0.34	NTU	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Turbidity	0.62	NTU	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Turbidity	0.95	NTU	GW16-10-2253
R-16	8861	863.4	07/18/09	WG	Turbidity	0.61	NTU	CAMO-09-9306



**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8871	1237	02/08/10	WG	Dissolved Oxygen	1.3	mg/L	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Dissolved Oxygen	1.33	mg/L	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Dissolved Oxygen	0.89	mg/L	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Dissolved Oxygen	4.17	mg/L	GW16-10-2255
R-16	8871	1237	07/17/09	WG	Dissolved Oxygen	5.23	mg/L	CAMO-09-9314
R-16	8871	1237	02/08/10	WG	Oxidation Reduction Potential	527	mV	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Oxidation Reduction Potential	97.3	mV	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Oxidation Reduction Potential	228.1	mV	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Oxidation Reduction Potential	120.9	mV	GW16-10-2255
R-16	8871	1237	07/17/09	WG	Oxidation Reduction Potential	219	mV	CAMO-09-9314
R-16	8871	1237	02/08/10	WG	pH	8.11	SU	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	pH	8.45	SU	GW16-10-2264
R-16	8871	1237	11/19/09	WG	pH	8.37	SU	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	pH	8.18	SU	GW16-10-2255
R-16	8871	1237	07/17/09	WG	pH	8.29	SU	CAMO-09-9314
R-16	8871	1237	02/08/10	WG	Specific Conductance	177	μS/cm	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Specific Conductance	189	μS/cm	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Specific Conductance	188	μS/cm	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Specific Conductance	177	μS/cm	GW16-10-2255
R-16	8871	1237	07/17/09	WG	Specific Conductance	575	μS/cm	CAMO-09-9314
R-16	8871	1237	02/08/10	WG	Temperature	19.88	deg C	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Temperature	20.56	deg C	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Temperature	20.94	deg C	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Temperature	20.66	deg C	GW16-10-2255
R-16	8871	1237	07/17/09	WG	Temperature	25.8	deg C	CAMO-09-9314
R-16	8871	1237	02/08/10	WG	Turbidity	0.44	NTU	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Turbidity	0.59	NTU	GW16-10-2264

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8871	1237	11/19/09	WG	Turbidity	2.96	NTU	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Turbidity	1.27	NTU	GW16-10-2255
R-16	8871	1237	07/17/09	WG	Turbidity	0.99	NTU	CAMO-09-9314
R-16r	6341	600	02/04/10	WG	Dissolved Oxygen	5.35	mg/L	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Dissolved Oxygen	6.66	mg/L	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Dissolved Oxygen	5.17	mg/L	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Dissolved Oxygen	4.75	mg/L	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Dissolved Oxygen	5.94	mg/L	CAMO-09-2619
R-16r	6341	600	02/04/10	WG	Oxidation Reduction Potential	446	mV	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Oxidation Reduction Potential	350.4	mV	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Oxidation Reduction Potential	188	mV	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Oxidation Reduction Potential	356.7	mV	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Oxidation Reduction Potential	25.12	mV	CAMO-09-2619
R-16r	6341	600	02/04/10	WG	pH	7.83	SU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	pH	7.97	SU	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	pH	8.3	SU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	pH	8.01	SU	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	pH	7.84	SU	CAMO-09-2619
R-16r	6341	600	02/04/10	WG	Specific Conductance	174	μS/cm	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Specific Conductance	171	μS/cm	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Specific Conductance	176	μS/cm	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Specific Conductance	159	μS/cm	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Specific Conductance	174	μS/cm	CAMO-09-2619
R-16r	6341	600	02/04/10	WG	Temperature	20.05	deg C	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Temperature	18.31	deg C	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Temperature	20.96	deg C	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Temperature	21.65	deg C	CAMO-09-8192

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16r	6341	600	02/13/09	WG	Temperature	20.23	deg C	CAMO-09-2619
R-16r	6341	600	02/04/10	WG	Turbidity	1.04	NTU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Turbidity	0.22	NTU	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Turbidity	1.32	NTU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Turbidity	0.42	NTU	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Turbidity	0.56	NTU	CAMO-09-2619
R-28	1781	934.3	02/03/10	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Dissolved Oxygen	6.72	mg/L	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Dissolved Oxygen	5.55	mg/L	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Dissolved Oxygen	5.49	mg/L	CAMO-09-11414
R-28	1781	934.3	02/10/09	WG	Dissolved Oxygen	5.49	mg/L	CAMO-09-2625
R-28	1781	934.3	02/03/10	WG	Oxidation Reduction Potential	174.4	mV	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Oxidation Reduction Potential	161.1	mV	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Oxidation Reduction Potential	257.7	mV	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Oxidation Reduction Potential	132.8	mV	CAMO-09-8177
R-28	1781	934.3	11/10/08	WG	Oxidation Reduction Potential	217	mV	CAMO-09-808
R-28	1781	934.3	02/03/10	WG	pH	7.79	SU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	pH	7.69	SU	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	pH	7.58	SU	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	pH	7.95	SU	CAMO-09-8177
R-28	1781	934.3	02/03/10	WG	Specific Conductance	390	µS/cm	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Specific Conductance	397	µS/cm	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Specific Conductance	411	µS/cm	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Specific Conductance	349	µS/cm	CAMO-09-8177
R-28	1781	934.3	02/03/10	WG	Temperature	19.48	deg C	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Temperature	21.02	deg C	CAMO-10-3130

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-28	1781	934.3	08/13/09	WG	Temperature	22.14	deg C	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Temperature	21.58	deg C	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Temperature	20.68	deg C	CAMO-09-2625
R-28	1781	934.3	02/10/09	WG	Temperature	20.68	deg C	CAMO-09-11414
R-28	1781	934.3	02/03/10	WG	Turbidity	0.57	NTU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Turbidity	0.71	NTU	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Turbidity	0.56	NTU	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Turbidity	4.16	NTU	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Turbidity	0.65	NTU	CAMO-09-2625
R-28	1781	934.3	02/10/09	WG	Turbidity	0.65	NTU	CAMO-09-11414
R-33	5491	995.5	01/28/10	WG	Dissolved Oxygen	4.76	mg/L	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Dissolved Oxygen	4.41	mg/L	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Dissolved Oxygen	4.56	mg/L	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Dissolved Oxygen	4.53	mg/L	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Dissolved Oxygen	5.46	mg/L	CAMO-09-2865
R-33	5491	995.5	01/28/10	WG	Oxidation Reduction Potential	129.9	mV	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Oxidation Reduction Potential	98.6	mV	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Oxidation Reduction Potential	110.3	mV	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Oxidation Reduction Potential	179.5	mV	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Oxidation Reduction Potential	165.3	mV	CAMO-09-2865
R-33	5491	995.5	01/28/10	WG	pH	7.17	SU	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	pH	7.25	SU	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	pH	7.43	SU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	pH	7.22	SU	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	pH	7.31	SU	CAMO-09-2865
R-33	5491	995.5	01/28/10	WG	Specific Conductance	134	μS/cm	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Specific Conductance	150	μS/cm	CAMO-10-3196

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5491	995.5	08/14/09	WG	Specific Conductance	131	μS/cm	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Specific Conductance	128	μS/cm	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Specific Conductance	141	μS/cm	CAMO-09-2865
R-33	5491	995.5	01/28/10	WG	Temperature	21.12	deg C	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Temperature	21.09	deg C	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Temperature	20.4	deg C	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Temperature	22.21	deg C	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Temperature	19.12	deg C	CAMO-09-2865
R-33	5491	995.5	01/28/10	WG	Turbidity	0.59	NTU	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Turbidity	0.41	NTU	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Turbidity	1.49	NTU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Turbidity	0.88	NTU	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Turbidity	1.24	NTU	CAMO-09-2865
R-33	5501	1112.4	01/28/10	WG	Dissolved Oxygen	5.95	mg/L	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Dissolved Oxygen	5.5	mg/L	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Dissolved Oxygen	6.31	mg/L	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Dissolved Oxygen	5.52	mg/L	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Dissolved Oxygen	5.71	mg/L	CAMO-09-2868
R-33	5501	1112.4	01/28/10	WG	Oxidation Reduction Potential	226.4	mV	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Oxidation Reduction Potential	136.9	mV	CAMO-10-3211
R-33	5501	1112.4	05/05/09	WG	Oxidation Reduction Potential	209.4	mV	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Oxidation Reduction Potential	131.9	mV	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	Oxidation Reduction Potential	-36	mV	CAMO-09-796
R-33	5501	1112.4	01/28/10	WG	pH	7.43	SU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	pH	7.39	SU	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	pH	7.53	SU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	pH	7.16	SU	CAMO-09-8202

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5501	1112.4	02/03/09	WG	pH	7.67	SU	CAMO-09-2868
R-33	5501	1112.4	01/28/10	WG	Specific Conductance	126	μS/cm	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Specific Conductance	139	μS/cm	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Specific Conductance	131	μS/cm	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Specific Conductance	124	μS/cm	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Specific Conductance	128	μS/cm	CAMO-09-2868
R-33	5501	1112.4	01/28/10	WG	Temperature	19.93	deg C	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Temperature	21.66	deg C	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Temperature	21.5	deg C	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Temperature	21.88	deg C	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Temperature	21.31	deg C	CAMO-09-2868
R-33	5501	1112.4	01/28/10	WG	Turbidity	0.49	NTU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Turbidity	2.28	NTU	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Turbidity	0.91	NTU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Turbidity	0.54	NTU	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Turbidity	0.43	NTU	CAMO-09-2868
R-34	1791	883.7	02/10/10	WG	Dissolved Oxygen	4.49	mg/L	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Dissolved Oxygen	4.71	mg/L	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Dissolved Oxygen	4.26	mg/L	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Dissolved Oxygen	4.72	mg/L	CAMO-09-2636
R-34	1791	883.7	02/10/10	WG	Oxidation Reduction Potential	452.1	mV	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Oxidation Reduction Potential	222	mV	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Oxidation Reduction Potential	106.9	mV	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Oxidation Reduction Potential	187	mV	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Oxidation Reduction Potential	497.6	mV	CAMO-09-2636
R-34	1791	883.7	02/10/10	WG	pH	8.06	SU	CAMO-10-9350

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-34	1791	883.7	11/12/09	WG	pH	8.03	SU	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	pH	8.03	SU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	pH	8.12	SU	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	pH	8.28	SU	CAMO-09-2636
R-34	1791	883.7	02/10/10	WG	Specific Conductance	159	μS/cm	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Specific Conductance	152	μS/cm	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Specific Conductance	159	μS/cm	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Specific Conductance	178	μS/cm	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Specific Conductance	154	μS/cm	CAMO-09-2636
R-34	1791	883.7	02/10/10	WG	Temperature	20.45	deg C	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Temperature	21.17	deg C	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Temperature	25	deg C	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Temperature	22.58	deg C	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Temperature	20.64	deg C	CAMO-09-2636
R-34	1791	883.7	02/10/10	WG	Turbidity	1.7	NTU	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Turbidity	2.06	NTU	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Turbidity	3.54	NTU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Turbidity	4.52	NTU	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Turbidity	1.6	NTU	CAMO-09-2636
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Dissolved Oxygen	6.19	mg/L	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Dissolved Oxygen	4.78	mg/L	CAMO-09-2870
R-42	8591	931.8	02/10/10	WG	Oxidation Reduction Potential	243.4	mV	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Oxidation Reduction Potential	243.4	mV	CAMO-10-9357

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-42	8591	931.8	11/05/09	WG	Oxidation Reduction Potential	279.5	mV	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Oxidation Reduction Potential	186.5	mV	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Oxidation Reduction Potential	297.1	mV	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Oxidation Reduction Potential	350.8	mV	CAMO-09-2870
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	pH	7.92	SU	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	pH	7.35	SU	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	pH	7.13	SU	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	pH	7.6	SU	CAMO-09-2870
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	μS/cm	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	μS/cm	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Specific Conductance	452	μS/cm	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Specific Conductance	432	μS/cm	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Specific Conductance	363	μS/cm	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Specific Conductance	393	μS/cm	CAMO-09-2870
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Temperature	19.75	deg C	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Temperature	19.42	deg C	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Temperature	19.94	deg C	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Temperature	19.58	deg C	CAMO-09-2870
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Turbidity	1.69	NTU	CAMO-10-3218
R-42	8591	931.8	05/11/09	WG	Turbidity	1.23	NTU	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Turbidity	1.67	NTU	CAMO-09-2870



Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-42	8591	931.8	11/20/08	WG	Turbidity	3.02	NTU	CAMO-09-828
R-44	8671	895	02/10/10	WG	Dissolved Oxygen	4.99	mg/L	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Dissolved Oxygen	5.75	mg/L	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Dissolved Oxygen	5.22	mg/L	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Dissolved Oxygen	10.52	mg/L	CAMO-09-4437
R-44	8671	895	02/10/10	WG	Oxidation Reduction Potential	314.6	mV	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Oxidation Reduction Potential	142.2	mV	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Oxidation Reduction Potential	103.3	mV	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Oxidation Reduction Potential	96.8	mV	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Oxidation Reduction Potential	475.2	mV	CAMO-09-4437
R-44	8671	895	02/10/10	WG	pH	7.67	SU	CAMO-10-9370
R-44	8671	895	11/13/09	WG	pH	7.47	SU	CAMO-10-3225
R-44	8671	895	08/17/09	WG	pH	7.42	SU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	pH	7.53	SU	CAMO-09-11387
R-44	8671	895	02/17/09	WG	pH	7.5	SU	CAMO-09-4437
R-44	8671	895	02/10/10	WG	Specific Conductance	139	μS/cm	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Specific Conductance	133	μS/cm	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Specific Conductance	128	μS/cm	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Specific Conductance	125	μS/cm	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Specific Conductance	135	μS/cm	CAMO-09-4437
R-44	8671	895	02/10/10	WG	Temperature	19.76	deg C	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Temperature	19.69	deg C	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Temperature	22.22	deg C	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Temperature	21.35	deg C	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Temperature	19.62	deg C	CAMO-09-4437
R-44	8671	895	02/10/10	WG	Turbidity	1.41	NTU	CAMO-10-9370

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-44	8671	895	11/13/09	WG	Turbidity	1.37	NTU	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Turbidity	5	NTU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Turbidity	489	NTU	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Turbidity	0.8	NTU	CAMO-09-4437
R-44	8681	985.3	07/14/09	WG	Dissolved Oxygen	7.25	mg/L	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	Dissolved Oxygen	5.73	mg/L	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Dissolved Oxygen	5.3	mg/L	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Dissolved Oxygen	5.35	mg/L	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	Dissolved Oxygen	9.54	mg/L	CAMO-09-4441
R-44	8681	985.3	07/14/09	WG	Oxidation Reduction Potential	104.7	mV	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	Oxidation Reduction Potential	26.01	mV	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Oxidation Reduction Potential	140	mV	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	Oxidation Reduction Potential	85.7	mV	CAMO-09-4441
R-44	8681	985.3	07/14/09	WG	pH	7.82	SU	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	pH	7.84	SU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	pH	7.63	SU	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	pH	7.38	SU	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	pH	7.81	SU	CAMO-09-4441
R-44	8681	985.3	07/14/09	WG	Specific Conductance	137	μS/cm	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	Specific Conductance	151	μS/cm	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Specific Conductance	138	μS/cm	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Specific Conductance	130	μS/cm	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	Specific Conductance	135	μS/cm	CAMO-09-4441
R-44	8681	985.3	07/14/09	WG	Temperature	21.74	deg C	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	Temperature	19.56	deg C	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Temperature	19.64	deg C	CAMO-10-3228

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-44	8681	985.3	08/17/09	WG	Temperature	22.58	deg C	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	Temperature	18.58	deg C	CAMO-09-4441
R-44	8681	985.3	07/14/09	WG	Turbidity	4.81	NTU	CAMO-09-11395
R-44	8681	985.3	02/10/10	WG	Turbidity	0.74	NTU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Turbidity	0.76	NTU	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Turbidity	4.47	NTU	CAMO-09-9927
R-44	8681	985.3	02/22/09	WG	Turbidity	0.59	NTU	CAMO-09-4441
R-45	8721	880	11/16/09	WG	pH	7.67	SU	CAMO-10-3231
R-45	8721	880	08/19/09	WG	pH	7.61	SU	CAMO-09-10254
R-45	8721	880	07/16/09	WG	pH	7.62	SU	CAMO-09-11401
R-45	8721	880	02/28/09	WG	pH	7.92	SU	CAMO-09-4583
R-45	8721	880	11/16/09	WG	Specific Conductance	171	μS/cm	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Specific Conductance	170	μS/cm	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Specific Conductance	175	μS/cm	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Specific Conductance	163	μS/cm	CAMO-09-4583
R-45	8731	974.9	01/27/10	WG	Dissolved Oxygen	5.55	mg/L	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Dissolved Oxygen	5.43	mg/L	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Dissolved Oxygen	4.27	mg/L	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Dissolved Oxygen	6.44	mg/L	CAMO-09-4588
R-45	8731	974.9	01/27/10	WG	Oxidation Reduction Potential	98.3	mV	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Oxidation Reduction Potential	67.6	mV	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Oxidation Reduction Potential	128.6	mV	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Oxidation Reduction Potential	157.3	mV	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Oxidation Reduction Potential	94.3	mV	CAMO-09-4588
R-45	8731	974.9	01/27/10	WG	pH	7.51	SU	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	pH	8.11	SU	CAMO-10-3234

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8731	974.9	08/19/09	WG	pH	7.88	SU	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	pH	8.03	SU	CAMO-09-11412
R-45	8731	974.9	01/27/10	WG	Specific Conductance	162	μS/cm	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Specific Conductance	177	μS/cm	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Specific Conductance	173	μS/cm	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Specific Conductance	176	μS/cm	CAMO-09-11412
R-45	8731	974.9	01/27/10	WG	Temperature	19.56	deg C	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Temperature	17.77	deg C	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Temperature	22.23	deg C	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Temperature	22.3	deg C	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Temperature	17.3	deg C	CAMO-09-4588
R-45	8731	974.9	01/27/10	WG	Turbidity	0.63	NTU	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Turbidity	0.62	NTU	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Turbidity	1.03	NTU	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Turbidity	4.93	NTU	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Turbidity	3.3	NTU	CAMO-09-4588
R-46	8741	1340	02/05/10	WG	Dissolved Oxygen	5.81	mg/L	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Dissolved Oxygen	6.76	mg/L	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Dissolved Oxygen	6.5	mg/L	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Dissolved Oxygen	8.05	mg/L	CAMO-09-8218
R-46	8741	1340	02/05/10	WG	Oxidation Reduction Potential	48.6	mV	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Oxidation Reduction Potential	65.7	mV	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Oxidation Reduction Potential	43.7	mV	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Oxidation Reduction Potential	110.8	mV	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Oxidation Reduction Potential	231.8	mV	CAMO-09-8218
R-46	8741	1340	02/05/10	WG	pH	7.76	SU	CAMO-10-9358

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-46	8741	1340	11/13/09	WG	pH	7.66	SU	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	pH	7.74	SU	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	pH	7.59	SU	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	pH	7.04	SU	CAMO-09-8218
R-46	8741	1340	02/05/10	WG	Specific Conductance	123	μS/cm	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Specific Conductance	115	μS/cm	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Specific Conductance	124	μS/cm	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Specific Conductance	126	μS/cm	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Specific Conductance	125	μS/cm	CAMO-09-8218
R-46	8741	1340	02/05/10	WG	Temperature	17.44	deg C	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Temperature	20.58	deg C	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Temperature	22.1	deg C	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Temperature	21.97	deg C	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Temperature	22.03	deg C	CAMO-09-8218
R-46	8741	1340	02/05/10	WG	Turbidity	2.07	NTU	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Turbidity	1.3	NTU	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Turbidity	3.01	NTU	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Turbidity	3.96	NTU	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Turbidity	13.2	NTU	CAMO-09-8218

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

<sup>b</sup> WS = Surface water.

<sup>c</sup> SU = Standard unit.

<sup>d</sup> μS/cm = Microsiemens per centimeter.

<sup>e</sup> NTU = Nephelometric turbidity unit.

<sup>f</sup> WG = Groundwater.

<sup>g</sup> mV = Millivolt.

**Table A-2  
Sandia Field Parameters**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10	6381	874	02/09/10	WG <sup>a</sup>	Dissolved Oxygen	5.48	mg/L	CASA-10-9475
R-10	6381	874	11/10/09	WG	Dissolved Oxygen	5.54	mg/L	CASA-10-3704
R-10	6381	874	09/23/09	WG	Dissolved Oxygen	5.12	mg/L	CASA-09-12923
R-10	6381	874	02/12/09	WG	Dissolved Oxygen	2.06	mg/L	CASA-09-2786
R-10	6381	874	11/03/08	WG	Dissolved Oxygen	5.83	mg/L	CASA-09-876
R-10	6381	874	02/09/10	WG	Oxidation Reduction Potential	153.1	mV <sup>b</sup>	CASA-10-9475
R-10	6381	874	11/10/09	WG	Oxidation Reduction Potential	82.9	mV	CASA-10-3704
R-10	6381	874	09/23/09	WG	Oxidation Reduction Potential	85.7	mV	CASA-09-12923
R-10	6381	874	02/12/09	WG	Oxidation Reduction Potential	92.1	mV	CASA-09-2786
R-10	6381	874	11/03/08	WG	Oxidation Reduction Potential	132	mV	CASA-09-876
R-10	6381	874	02/09/10	WG	pH	7.98	SU <sup>c</sup>	CASA-10-9475
R-10	6381	874	11/10/09	WG	pH	7.88	SU	CASA-10-3704
R-10	6381	874	09/23/09	WG	pH	8	SU	CASA-09-12923
R-10	6381	874	02/12/09	WG	pH	7.7	SU	CASA-09-2786
R-10	6381	874	11/03/08	WG	pH	8.1	SU	CASA-09-876
R-10	6381	874	02/09/10	WG	Specific Conductance	174	μS/cm <sup>d</sup>	CASA-10-9475
R-10	6381	874	11/10/09	WG	Specific Conductance	194	μS/cm	CASA-10-3704
R-10	6381	874	09/23/09	WG	Specific Conductance	192	μS/cm	CASA-09-12923
R-10	6381	874	02/12/09	WG	Specific Conductance	185	μS/cm	CASA-09-2786
R-10	6381	874	11/03/08	WG	Specific Conductance	167.6	μS/cm	CASA-09-876
R-10	6381	874	02/09/10	WG	Temperature	21	deg C	CASA-10-9475
R-10	6381	874	11/10/09	WG	Temperature	23.18	deg C	CASA-10-3704
R-10	6381	874	09/23/09	WG	Temperature	23.48	deg C	CASA-09-12923
R-10	6381	874	02/12/09	WG	Temperature	23.04	deg C	CASA-09-2786
R-10	6381	874	11/03/08	WG	Temperature	23.5	deg C	CASA-09-876
R-10	6381	874	02/09/10	WG	Turbidity	0.5	NTU <sup>e</sup>	CASA-10-9475

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10	6381	874	11/10/09	WG	Turbidity	0.51	NTU	CASA-10-3704
R-10	6381	874	09/23/09	WG	Turbidity	2.5	NTU	CASA-09-12923
R-10	6381	874	02/12/09	WG	Turbidity	1.03	NTU	CASA-09-2786
R-10	6381	874	11/03/08	WG	Turbidity	1.75	NTU	CASA-09-876
R-10	6391	1042	02/09/10	WG	Dissolved Oxygen	5.54	mg/L	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Dissolved Oxygen	4.67	mg/L	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Dissolved Oxygen	3.85	mg/L	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Dissolved Oxygen	5.97	mg/L	CASA-09-8270
R-10	6391	1042	02/12/09	WG	Dissolved Oxygen	4.32	mg/L	CASA-09-2788
R-10	6391	1042	02/12/09	WG	Dissolved Oxygen	4.32	mg/L	CASA-09-2789
R-10	6391	1042	02/09/10	WG	Oxidation Reduction Potential	119	mV	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Oxidation Reduction Potential	89.9	mV	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Oxidation Reduction Potential	99.9	mV	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Oxidation Reduction Potential	151.2	mV	CASA-09-8270
R-10	6391	1042	02/12/09	WG	Oxidation Reduction Potential	160.5	mV	CASA-09-2788
R-10	6391	1042	02/12/09	WG	Oxidation Reduction Potential	100.5	mV	CASA-09-2789
R-10	6391	1042	02/09/10	WG	pH	8.02	SU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	pH	7.92	SU	CASA-10-3707
R-10	6391	1042	09/23/09	WG	pH	8.03	SU	CASA-09-12927
R-10	6391	1042	05/12/09	WG	pH	8.05	SU	CASA-09-8270
R-10	6391	1042	02/12/09	WG	pH	7.76	SU	CASA-09-2788
R-10	6391	1042	02/12/09	WG	pH	7.76	SU	CASA-09-2789
R-10	6391	1042	02/09/10	WG	Specific Conductance	186	µS/cm	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Specific Conductance	195	µS/cm	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Specific Conductance	208	µS/cm	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Specific Conductance	213	µS/cm	CASA-09-8270
R-10	6391	1042	02/12/09	WG	Specific Conductance	206	µS/cm	CASA-09-2788

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10	6391	1042	02/12/09	WG	Specific Conductance	206	µS/cm	CASA-09-2789
R-10	6391	1042	02/09/10	WG	Temperature	23.81	deg C	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Temperature	22.88	deg C	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Temperature	24.84	deg C	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Temperature	25.47	deg C	CASA-09-8270
R-10	6391	1042	02/12/09	WG	Temperature	24.88	deg C	CASA-09-2788
R-10	6391	1042	02/12/09	WG	Temperature	24.88	deg C	CASA-09-2789
R-10	6391	1042	02/09/10	WG	Turbidity	0.41	NTU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Turbidity	2.81	NTU	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Turbidity	3.8	NTU	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Turbidity	1.11	NTU	CASA-09-8270
R-10	6391	1042	02/12/09	WG	Turbidity	0.2	NTU	CASA-09-2788
R-10	6391	1042	02/12/09	WG	Turbidity	0.2	NTU	CASA-09-2789
R-10a	6371	690	02/09/10	WG	Dissolved Oxygen	5	mg/L	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Dissolved Oxygen	5.49	mg/L	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Dissolved Oxygen	4.75	mg/L	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Dissolved Oxygen	6.08	mg/L	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Dissolved Oxygen	6.45	mg/L	CASA-09-2792
R-10a	6371	690	02/09/10	WG	Oxidation Reduction Potential	266.3	mV	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Oxidation Reduction Potential	194.9	mV	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Oxidation Reduction Potential	425.9	mV	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Oxidation Reduction Potential	327	mV	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Oxidation Reduction Potential	343.9	mV	CASA-09-2792
R-10a	6371	690	02/09/10	WG	pH	7.88	SU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	pH	7.79	SU	CASA-10-3710
R-10a	6371	690	08/12/09	WG	pH	7.65	SU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	pH	7.73	SU	CASA-09-8272



**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10a	6371	690	02/12/09	WG	pH	7.82	SU	CASA-09-2792
R-10a	6371	690	02/09/10	WG	Specific Conductance	231	µS/cm	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Specific Conductance	235	µS/cm	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Specific Conductance	224	µS/cm	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Specific Conductance	263	µS/cm	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Specific Conductance	240	µS/cm	CASA-09-2792
R-10a	6371	690	02/09/10	WG	Temperature	19.55	deg C	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Temperature	20.61	deg C	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Temperature	22.3	deg C	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Temperature	21.5	deg C	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Temperature	20.8	deg C	CASA-09-2792
R-10a	6371	690	02/09/10	WG	Turbidity	0.53	NTU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Turbidity	0.74	NTU	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Turbidity	0.79	NTU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Turbidity	0.85	NTU	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Turbidity	0.57	NTU	CASA-09-2792
R-11	5531	855	01/29/10	WG	Dissolved Oxygen	6.08	mg/L	CASA-10-9459
R-11	5531	855	11/18/09	WG	Dissolved Oxygen	5.97	mg/L	CASA-10-3714
R-11	5531	855	08/10/09	WG	Dissolved Oxygen	4.81	mg/L	CASA-09-10366
R-11	5531	855	04/29/09	WG	Dissolved Oxygen	6.11	mg/L	CASA-09-8274
R-11	5531	855	02/05/09	WG	Dissolved Oxygen	5.8	mg/L	CASA-09-2783
R-11	5531	855	01/29/10	WG	Oxidation Reduction Potential	311.7	mV	CASA-10-9459
R-11	5531	855	11/18/09	WG	Oxidation Reduction Potential	134.6	mV	CASA-10-3714
R-11	5531	855	08/10/09	WG	Oxidation Reduction Potential	162.3	mV	CASA-09-10366
R-11	5531	855	04/29/09	WG	Oxidation Reduction Potential	137	mV	CASA-09-8274
R-11	5531	855	02/05/09	WG	Oxidation Reduction Potential	342.1	mV	CASA-09-2783
R-11	5531	855	01/29/10	WG	pH	7.6	SU	CASA-10-9459

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-11	5531	855	11/18/09	WG	pH	7.59	SU	CASA-10-3714
R-11	5531	855	08/10/09	WG	pH	7.89	SU	CASA-09-10366
R-11	5531	855	04/29/09	WG	pH	7.95	SU	CASA-09-8274
R-11	5531	855	02/05/09	WG	pH	7.86	SU	CASA-09-2783
R-11	5531	855	01/29/10	WG	Specific Conductance	199	μS/cm	CASA-10-9459
R-11	5531	855	11/18/09	WG	Specific Conductance	218	μS/cm	CASA-10-3714
R-11	5531	855	08/10/09	WG	Specific Conductance	226	μS/cm	CASA-09-10366
R-11	5531	855	04/29/09	WG	Specific Conductance	237	μS/cm	CASA-09-8274
R-11	5531	855	02/05/09	WG	Specific Conductance	238	μS/cm	CASA-09-2783
R-11	5531	855	01/29/10	WG	Temperature	20.92	deg C	CASA-10-9459
R-11	5531	855	11/18/09	WG	Temperature	21.67	deg C	CASA-10-3714
R-11	5531	855	08/10/09	WG	Temperature	22.62	deg C	CASA-09-10366
R-11	5531	855	04/29/09	WG	Temperature	23.3	deg C	CASA-09-8274
R-11	5531	855	02/05/09	WG	Temperature	21.71	deg C	CASA-09-2783
R-11	5531	855	01/29/10	WG	Turbidity	0.21	NTU	CASA-10-9459
R-11	5531	855	11/18/09	WG	Turbidity	0.16	NTU	CASA-10-3714
R-11	5531	855	08/10/09	WG	Turbidity	0.45	NTU	CASA-09-10366
R-11	5531	855	04/29/09	WG	Turbidity	0.47	NTU	CASA-09-8274
R-11	5531	855	02/05/09	WG	Turbidity	0.3	NTU	CASA-09-2783
R-12	8401	459	02/09/10	WG	Dissolved Oxygen	0.17	mg/L	CASA-10-9446
R-12	8401	459	11/12/09	WG	Dissolved Oxygen	0.8	mg/L	CASA-10-3822
R-12	8401	459	08/05/09	WG	Dissolved Oxygen	1.11	mg/L	CASA-09-10380
R-12	8401	459	05/07/09	WG	Dissolved Oxygen	1.5	mg/L	CASA-09-8276
R-12	8401	459	02/20/09	WG	Dissolved Oxygen	0.17	mg/L	CASA-09-3011
R-12	8401	459	02/09/10	WG	Oxidation Reduction Potential	-25.4	mV	CASA-10-9446
R-12	8401	459	11/12/09	WG	Oxidation Reduction Potential	-167.8	mV	CASA-10-3822
R-12	8401	459	08/05/09	WG	Oxidation Reduction Potential	-219.2	mV	CASA-09-10380

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8401	459	05/07/09	WG	Oxidation Reduction Potential	-190.6	mV	CASA-09-8276
R-12	8401	459	02/20/09	WG	Oxidation Reduction Potential	-16	mV	CASA-09-3011
R-12	8401	459	02/09/10	WG	pH	7.94	SU	CASA-10-9446
R-12	8401	459	11/12/09	WG	pH	7.85	SU	CASA-10-3822
R-12	8401	459	08/05/09	WG	pH	8.17	SU	CASA-09-10380
R-12	8401	459	05/07/09	WG	pH	7.88	SU	CASA-09-8276
R-12	8401	459	02/20/09	WG	pH	7.93	SU	CASA-09-3011
R-12	8401	459	02/09/10	WG	Specific Conductance	220	µS/cm	CASA-10-9446
R-12	8401	459	11/12/09	WG	Specific Conductance	225	µS/cm	CASA-10-3822
R-12	8401	459	08/05/09	WG	Specific Conductance	208	µS/cm	CASA-09-10380
R-12	8401	459	05/07/09	WG	Specific Conductance	220	µS/cm	CASA-09-8276
R-12	8401	459	02/20/09	WG	Specific Conductance	197	µS/cm	CASA-09-3011
R-12	8401	459	02/09/10	WG	Temperature	17.18	deg C	CASA-10-9446
R-12	8401	459	11/12/09	WG	Temperature	17.88	deg C	CASA-10-3822
R-12	8401	459	08/05/09	WG	Temperature	18.24	deg C	CASA-09-10380
R-12	8401	459	05/07/09	WG	Temperature	18.19	deg C	CASA-09-8276
R-12	8401	459	02/20/09	WG	Temperature	17.04	deg C	CASA-09-3011
R-12	8401	459	02/09/10	WG	Turbidity	1.2	NTU	CASA-10-9446
R-12	8401	459	11/12/09	WG	Turbidity	1.19	NTU	CASA-10-3822
R-12	8401	459	08/05/09	WG	Turbidity	0.56	NTU	CASA-09-10380
R-12	8401	459	05/07/09	WG	Turbidity	0.91	NTU	CASA-09-8276
R-12	8401	459	02/20/09	WG	Turbidity	0.87	NTU	CASA-09-3011
R-12	8411	504.5	02/09/10	WG	Dissolved Oxygen	3.01	mg/L	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Dissolved Oxygen	3.38	mg/L	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Dissolved Oxygen	3.27	mg/L	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Dissolved Oxygen	4.94	mg/L	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-3010

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8411	504.5	02/11/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-9290
R-12	8411	504.5	02/09/10	WG	Oxidation Reduction Potential	77.8	mV	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Oxidation Reduction Potential	-66.7	mV	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Oxidation Reduction Potential	-52.6	mV	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Oxidation Reduction Potential	15.7	mV	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Oxidation Reduction Potential	376.9	mV	CASA-09-3010
R-12	8411	504.5	02/11/09	WG	Oxidation Reduction Potential	376.9	mV	CASA-09-9290
R-12	8411	504.5	02/09/10	WG	pH	8.05	SU	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	pH	8.07	SU	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	pH	8.28	SU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	pH	8.14	SU	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	pH	8.08	SU	CASA-09-3010
R-12	8411	504.5	02/11/09	WG	pH	8.08	SU	CASA-09-9290
R-12	8411	504.5	02/09/10	WG	Specific Conductance	167	μS/cm	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Specific Conductance	174	μS/cm	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Specific Conductance	184	μS/cm	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Specific Conductance	177	μS/cm	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Specific Conductance	169	μS/cm	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Specific Conductance	169	μS/cm	CASA-09-3010
R-12	8411	504.5	02/09/10	WG	Temperature	18.77	deg C	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Temperature	19.68	deg C	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Temperature	22.98	deg C	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Temperature	20.9	deg C	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Temperature	19.74	deg C	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Temperature	19.74	deg C	CASA-09-3010
R-12	8411	504.5	02/09/10	WG	Turbidity	0.88	NTU	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Turbidity	1.32	NTU	CASA-10-3825

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8411	504.5	08/05/09	WG	Turbidity	0.51	NTU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Turbidity	0.4	NTU	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Turbidity	0.37	NTU	CASA-09-3010
R-12	8411	504.5	02/11/09	WG	Turbidity	0.37	NTU	CASA-09-9290
R-35a	8331	1013.1	02/11/10	WG	Dissolved Oxygen	6.23	mg/L	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Dissolved Oxygen	4.69	mg/L	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Dissolved Oxygen	3.92	mg/L	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Dissolved Oxygen	5.63	mg/L	CASA-09-3015
R-35a	8331	1013.1	02/11/10	WG	Oxidation Reduction Potential	223.6	mV	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Oxidation Reduction Potential	154.8	mV	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Oxidation Reduction Potential	149.1	mV	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Oxidation Reduction Potential	295.6	mV	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Oxidation Reduction Potential	375.2	mV	CASA-09-3015
R-35a	8331	1013.1	02/11/10	WG	pH	7.57	SU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	pH	7.56	SU	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	pH	7.44	SU	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	pH	7.64	SU	CASA-09-8305
R-35a	8331	1013.1	02/11/10	WG	Specific Conductance	242	µS/cm	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Specific Conductance	253	µS/cm	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Specific Conductance	275	µS/cm	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Specific Conductance	226	µS/cm	CASA-09-8305
R-35a	8331	1013.1	02/11/10	WG	Temperature	20.81	deg C	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Temperature	22.68	deg C	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Temperature	23.4	deg C	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Temperature	22.75	deg C	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Temperature	21.28	deg C	CASA-09-3015

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-35a	8331	1013.1	02/11/10	WG	Turbidity	1.44	NTU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Turbidity	1.23	NTU	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Turbidity	2.01	NTU	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Turbidity	1.01	NTU	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Turbidity	1.22	NTU	CASA-09-3015
R-35b	8351	825.4	02/11/10	WG	Dissolved Oxygen	7.41	mg/L	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Dissolved Oxygen	6.17	mg/L	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Dissolved Oxygen	5.83	mg/L	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Dissolved Oxygen	6.59	mg/L	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Dissolved Oxygen	5.36	mg/L	CASA-09-3019
R-35b	8351	825.4	02/11/10	WG	Oxidation Reduction Potential	261.7	mV	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Oxidation Reduction Potential	220.6	mV	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Oxidation Reduction Potential	437.5	mV	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Oxidation Reduction Potential	294.1	mV	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Oxidation Reduction Potential	451.4	mV	CASA-09-3019
R-35b	8351	825.4	02/11/10	WG	pH	7.5	SU	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	pH	7.53	SU	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	pH	7.3	SU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	pH	7.54	SU	CASA-09-8309
R-35b	8351	825.4	02/11/10	WG	Specific Conductance	169	µS/cm	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Specific Conductance	179	µS/cm	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Specific Conductance	175	µS/cm	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Specific Conductance	163	µS/cm	CASA-09-8309
R-35b	8351	825.4	02/11/10	WG	Temperature	17.73	deg C	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Temperature	21.8	deg C	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Temperature	22.74	deg C	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Temperature	22.05	deg C	CASA-09-8309

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-35b	8351	825.4	02/02/09	WG	Temperature	21.3	deg C	CASA-09-3019
R-35b	8351	825.4	02/11/10	WG	Turbidity	1.08	NTU	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Turbidity	1.19	NTU	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Turbidity	2.68	NTU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Turbidity	0.79	NTU	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Turbidity	1.14	NTU	CASA-09-3019
R-36	8431	766.9	02/04/10	WG	Dissolved Oxygen	4.85	mg/L	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Dissolved Oxygen	5.29	mg/L	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Dissolved Oxygen	5.05	mg/L	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Dissolved Oxygen	5.58	mg/L	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Dissolved Oxygen	4.99	mg/L	CASA-09-3025
R-36	8431	766.9	02/04/10	WG	Oxidation Reduction Potential	206.4	mV	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Oxidation Reduction Potential	155.4	mV	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Oxidation Reduction Potential	376	mV	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Oxidation Reduction Potential	169.4	mV	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Oxidation Reduction Potential	207.3	mV	CASA-09-3025
R-36	8431	766.9	02/04/10	WG	pH	7.27	SU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	pH	7.12	SU	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	pH	7.2	SU	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	pH	7.31	SU	CASA-09-8311
R-36	8431	766.9	02/04/10	WG	Specific Conductance	198	µS/cm	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Specific Conductance	200	µS/cm	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Specific Conductance	201	µS/cm	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Specific Conductance	176	µS/cm	CASA-09-8311
R-36	8431	766.9	02/04/10	WG	Temperature	19.02	deg C	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Temperature	20.8	deg C	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Temperature	21.78	deg C	CASA-09-10376



**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-36	8431	766.9	04/28/09	WG	Temperature	21.31	deg C	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Temperature	21.28	deg C	CASA-09-3025
R-36	8431	766.9	02/04/10	WG	Turbidity	1.85	NTU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Turbidity	0.73	NTU	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Turbidity	2.24	NTU	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Turbidity	1.1	NTU	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Turbidity	2.94	NTU	CASA-09-3025
R-43	8651	903.9	02/02/10	WG	Dissolved Oxygen	6.21	mg/L	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Dissolved Oxygen	5.59	mg/L	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Dissolved Oxygen	6.02	mg/L	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Dissolved Oxygen	1.9	mg/L	CASA-09-1018
R-43	8651	903.9	02/02/10	WG	Oxidation Reduction Potential	99.3	mV	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Oxidation Reduction Potential	115.3	mV	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Oxidation Reduction Potential	125.6	mV	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Oxidation Reduction Potential	156	mV	CASA-09-1018
R-43	8651	903.9	02/02/10	WG	pH	8.06	SU	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	pH	7.96	SU	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	pH	7.88	SU	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	pH	8.56	SU	CASA-09-1018
R-43	8651	903.9	02/02/10	WG	Specific Conductance	165	µS/cm	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Specific Conductance	177	µS/cm	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Specific Conductance	159	µS/cm	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Specific Conductance	186.2	µS/cm	CASA-09-1018
R-43	8651	903.9	02/02/10	WG	Temperature	19.77	deg C	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Temperature	19.35	deg C	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Temperature	21.41	deg C	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Temperature	18.5	deg C	CASA-09-1018

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-43	8651	903.9	02/02/10	WG	Turbidity	0.61	NTU	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Turbidity	1.5	NTU	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Turbidity	1.67	NTU	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Turbidity	7.3	NTU	CASA-09-1018
R-43	8661	969.1	02/02/10	WG	Dissolved Oxygen	2.09	mg/L	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Dissolved Oxygen	2.49	mg/L	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Dissolved Oxygen	3.33	mg/L	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Dissolved Oxygen	6.66	mg/L	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Dissolved Oxygen	4.21	mg/L	CASA-09-1028
R-43	8661	969.1	02/02/10	WG	Oxidation Reduction Potential	78.1	mV	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Oxidation Reduction Potential	17.2	mV	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Oxidation Reduction Potential	93.9	mV	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Oxidation Reduction Potential	101.4	mV	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Oxidation Reduction Potential	143	mV	CASA-09-1028
R-43	8661	969.1	02/02/10	WG	pH	8.48	SU	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	pH	8.53	SU	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	pH	8.09	SU	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	pH	8.44	SU	CAMO-09-10508
R-43	8661	969.1	02/02/10	WG	Specific Conductance	164	µS/cm	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Specific Conductance	200	µS/cm	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Specific Conductance	167	µS/cm	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Specific Conductance	167	µS/cm	CAMO-09-10508
R-43	8661	969.1	02/02/10	WG	Temperature	18.71	deg C	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Temperature	19.06	deg C	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Temperature	21.19	deg C	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Temperature	21.61	deg C	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Temperature	17.8	deg C	CASA-09-1028

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-43	8661	969.1	02/02/10	WG	Turbidity	0.67	NTU	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Turbidity	1.68	NTU	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Turbidity	0.42	NTU	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Turbidity	2.15	NTU	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Turbidity	10.1	NTU	CASA-09-1028
Sandia below Wetlands	n/a <sup>f</sup>	n/a	01/29/10	WS <sup>g</sup>	Dissolved Oxygen	11.06	mg/L	CASA-10-9412
Sandia below Wetlands	n/a	n/a	11/04/09	WS	Dissolved Oxygen	9.37	mg/L	CASA-10-3595
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Dissolved Oxygen	7	mg/L	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Dissolved Oxygen	7.35	mg/L	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Dissolved Oxygen	10.96	mg/L	CASA-09-2743
Sandia below Wetlands	n/a	n/a	01/29/10	WS	pH	7.47	SU	CASA-10-9412
Sandia below Wetlands	n/a	n/a	11/04/09	WS	pH	7.84	SU	CASA-10-3595
Sandia below Wetlands	n/a	n/a	08/07/09	WS	pH	7.91	SU	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	pH	8.23	SU	CASA-09-8234
Sandia below Wetlands	n/a	n/a	01/29/10	WS	Specific Conductance	7645	μS/cm	CASA-10-9412
Sandia below Wetlands	n/a	n/a	11/04/09	WS	Specific Conductance	505	μS/cm	CASA-10-3595
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Specific Conductance	480	μS/cm	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Specific Conductance	666	μS/cm	CASA-09-8234
Sandia below Wetlands	n/a	n/a	01/29/10	WS	Temperature	6.63	deg C	CASA-10-9412
Sandia below Wetlands	n/a	n/a	11/04/09	WS	Temperature	10.05	deg C	CASA-10-3595
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Temperature	18.44	deg C	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Temperature	19.43	deg C	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Temperature	6.81	deg C	CASA-09-2743
Sandia below Wetlands	n/a	n/a	01/29/10	WS	Turbidity	14.9	NTU	CASA-10-9412
Sandia below Wetlands	n/a	n/a	11/04/09	WS	Turbidity	8.53	NTU	CASA-10-3595
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Turbidity	7.09	NTU	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Turbidity	2.72	NTU	CASA-09-2743

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Sandia below Wetlands	n/a	n/a	11/03/08	WS	Turbidity	3.4	NTU	CASA-09-836
Sandia right fork at Power Plant	n/a	n/a	02/01/10	WS	Dissolved Oxygen	8.62	mg/L	CASA-10-9111
Sandia right fork at Power Plant	n/a	n/a	11/02/09	WS	Dissolved Oxygen	9.4	mg/L	CASA-10-3558
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Dissolved Oxygen	6.63	mg/L	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Dissolved Oxygen	8.23	mg/L	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Dissolved Oxygen	9.26	mg/L	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	02/01/10	WS	pH	7.71	SU	CASA-10-9111
Sandia right fork at Power Plant	n/a	n/a	11/02/09	WS	pH	7.14	SU	CASA-10-3558
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	pH	8.24	SU	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	pH	8.27	SU	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	02/01/10	WS	Specific Conductance	923	µS/cm	CASA-10-9111
Sandia right fork at Power Plant	n/a	n/a	11/02/09	WS	Specific Conductance	507	µS/cm	CASA-10-3558
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Specific Conductance	666	µS/cm	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Specific Conductance	665	µS/cm	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Specific Conductance	399.4	µS/cm	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	02/01/10	WS	Temperature	10.83	deg C	CASA-10-9111
Sandia right fork at Power Plant	n/a	n/a	11/02/09	WS	Temperature	15.46	deg C	CASA-10-3558
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Temperature	22.73	deg C	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Temperature	16.73	deg C	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Temperature	11.97	deg C	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	02/01/10	WS	Turbidity	4.96	NTU	CASA-10-9111
Sandia right fork at Power Plant	n/a	n/a	11/02/09	WS	Turbidity	1.61	NTU	CASA-10-3558
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Turbidity	1.58	NTU	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Turbidity	3.36	NTU	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Turbidity	2.24	NTU	CASA-09-2747
SCA-1-DP	8751	2.16	01/25/10	WG	Dissolved Oxygen	6.2	mg/L	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Dissolved Oxygen	3.91	mg/L	CASA-10-3620

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-1-DP	8751	2.16	08/03/09	WG	Dissolved Oxygen	1.51	mg/L	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Dissolved Oxygen	1.63	mg/L	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Dissolved Oxygen	5.43	mg/L	CASA-09-2857
SCA-1-DP	8751	2.16	01/25/10	WG	Oxidation Reduction Potential	-27.3	mV	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Oxidation Reduction Potential	382.4	mV	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Oxidation Reduction Potential	-221.6	mV	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Oxidation Reduction Potential	52	mV	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Oxidation Reduction Potential	272.5	mV	CASA-09-2857
SCA-1-DP	8751	2.16	01/25/10	WG	pH	6.66	SU	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	pH	6.8	SU	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	pH	6.93	SU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	pH	6.99	SU	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	pH	6.58	SU	CASA-09-2857
SCA-1-DP	8751	2.16	01/25/10	WG	Specific Conductance	1310	µS/cm	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Specific Conductance	549	µS/cm	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Specific Conductance	540	µS/cm	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Specific Conductance	571	µS/cm	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Specific Conductance	460	µS/cm	CASA-09-2857
SCA-1-DP	8751	2.16	01/25/10	WG	Temperature	3.16	deg C	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Temperature	9.12	deg C	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Temperature	17.95	deg C	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Temperature	10.68	deg C	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Temperature	3.39	deg C	CASA-09-2857
SCA-1-DP	8751	2.16	01/25/10	WG	Turbidity	43.9	NTU	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Turbidity	275	NTU	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Turbidity	21.2	NTU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Turbidity	9.22	NTU	CASA-09-8410

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-1-DP	8751	2.16	02/20/09	WG	Turbidity	102	NTU	CASA-09-2857
SCI-1	8211	358.4	02/05/10	WG	Dissolved Oxygen	11.43	mg/L	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Dissolved Oxygen	8.15	mg/L	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Dissolved Oxygen	9.42	mg/L	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	10.96	mg/L	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	10.96	mg/L	CASA-09-8267
SCI-1	8211	358.4	02/17/09	WG	Dissolved Oxygen	9.52	mg/L	CASA-09-2779
SCI-1	8211	358.4	02/05/10	WG	Oxidation Reduction Potential	274.7	mV	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Oxidation Reduction Potential	369.1	mV	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Oxidation Reduction Potential	257.2	mV	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	195.2	mV	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	195.2	mV	CASA-09-8267
SCI-1	8211	358.4	02/17/09	WG	Oxidation Reduction Potential	328.1	mV	CASA-09-2779
SCI-1	8211	358.4	02/05/10	WG	pH	6.59	SU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	pH	6.74	SU	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	pH	6.89	SU	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	pH	7.01	SU	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	pH	7.01	SU	CASA-09-8267
SCI-1	8211	358.4	02/17/09	WG	pH	6.52	SU	CASA-09-2779
SCI-1	8211	358.4	02/05/10	WG	Specific Conductance	721	µS/cm	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Specific Conductance	716	µS/cm	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Specific Conductance	593	µS/cm	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Specific Conductance	543	µS/cm	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Specific Conductance	543	µS/cm	CASA-09-8267
SCI-1	8211	358.4	02/17/09	WG	Specific Conductance	1081	µS/cm	CASA-09-2779
SCI-1	8211	358.4	02/05/10	WG	Temperature	9.56	deg C	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Temperature	10.64	deg C	CASA-10-3665

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCI-1	8211	358.4	08/03/09	WG	Temperature	10.95	deg C	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Temperature	10.6	deg C	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Temperature	10.6	deg C	CASA-09-8267
SCI-1	8211	358.4	02/17/09	WG	Temperature	10.2	deg C	CASA-09-2779
SCI-1	8211	358.4	02/05/10	WG	Turbidity	0.98	NTU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Turbidity	0.88	NTU	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Turbidity	7.13	NTU	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Turbidity	4.13	NTU	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	Turbidity	4.13	NTU	CASA-09-9291
SCI-1	8211	358.4	02/17/09	WG	Turbidity	5.76	NTU	CASA-09-2779
SCI-2	8601	548	02/08/10	WG	Dissolved Oxygen	8.6	mg/L	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Dissolved Oxygen	8.18	mg/L	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Dissolved Oxygen	10.53	mg/L	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Dissolved Oxygen	9	mg/L	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	Dissolved Oxygen	7.2	mg/L	CASA-09-959
SCI-2	8601	548	02/08/10	WG	Oxidation Reduction Potential	337.7	mV	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Oxidation Reduction Potential	242.1	mV	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Oxidation Reduction Potential	223.3	mV	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Oxidation Reduction Potential	231.8	mV	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	Oxidation Reduction Potential	472	mV	CASA-09-959
SCI-2	8601	548	02/08/10	WG	pH	7.23	SU	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	pH	7.17	SU	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	pH	7.26	SU	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	pH	7.12	SU	CASA-09-2992
SCI-2	8601	548	02/08/10	WG	Specific Conductance	575	μS/cm	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Specific Conductance	546	μS/cm	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Specific Conductance	464	μS/cm	CASA-09-8313

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCI-2	8601	548	02/13/09	WG	Specific Conductance	490	µS/cm	CASA-09-2992
SCI-2	8601	548	02/08/10	WG	Temperature	9.48	deg C	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Temperature	13.95	deg C	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Temperature	14.34	deg C	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Temperature	14.22	deg C	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	Temperature	15.2	deg C	CASA-09-959
SCI-2	8601	548	02/08/10	WG	Turbidity	1.99	NTU	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Turbidity	2.28	NTU	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Turbidity	2.24	NTU	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Turbidity	32.4	NTU	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	Turbidity	33.8	NTU	CASA-09-959
South Fork of Sandia Canyon at E122	n/a	n/a	02/01/10	WS	Dissolved Oxygen	7.85	mg/L	CASA-10-9406
South Fork of Sandia Canyon at E122	n/a	n/a	11/02/09	WS	Dissolved Oxygen	7.9	mg/L	CASA-10-3561
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Dissolved Oxygen	6.84	mg/L	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Dissolved Oxygen	6.51	mg/L	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Dissolved Oxygen	9.4	mg/L	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	02/01/10	WS	pH	7.75	SU	CASA-10-9406
South Fork of Sandia Canyon at E122	n/a	n/a	11/02/09	WS	pH	8.13	SU	CASA-10-3561
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	pH	6.24	SU	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	pH	8.51	SU	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/01/10	WS	Specific Conductance	826	µS/cm	CASA-10-9406
South Fork of Sandia Canyon at E122	n/a	n/a	11/02/09	WS	Specific Conductance	445	µS/cm	CASA-10-3561
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Specific Conductance	496	µS/cm	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Specific Conductance	282	µS/cm	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/01/10	WS	Temperature	8.67	deg C	CASA-10-9406
South Fork of Sandia Canyon at E122	n/a	n/a	11/02/09	WS	Temperature	15.45	deg C	CASA-10-3561
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Temperature	22.56	deg C	CASA-09-10313



**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Temperature	21.97	deg C	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Temperature	12.82	deg C	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	02/01/10	WS	Turbidity	6.62	NTU	CASA-10-9406
South Fork of Sandia Canyon at E122	n/a	n/a	11/02/09	WS	Turbidity	3.07	NTU	CASA-10-3561
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Turbidity	3.16	NTU	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Turbidity	13.5	NTU	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Turbidity	3.59	NTU	CASA-09-2737

<sup>a</sup> WG = Groundwater.

<sup>b</sup> mV = Millivolt.

<sup>c</sup> SU = Standard unit.

<sup>d</sup>  $\mu$ S/cm = Microsiemens per centimeter.

<sup>e</sup> NTU = Nephelometric turbidity unit.

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

<sup>g</sup> WS = Surface water.

## **Appendix B**

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*Groundwater-Elevation Measurements  
(on CD included with this document)*



## **Appendix C**

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*Analytical Chemistry Results, Including Results from  
Previous Four Monitoring Events if Available*



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

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

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

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	8/18/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	8.53	1.60E+00	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	9/13/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.913	3.88E-01	1.31E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	4/20/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.807	6.05E-01	2.39E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
M-1E	—	—	4/29/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.2	5.73E-01	1.74E+00	—	pCi/L	—	J	135660	GU05040PE1M01	GELC
M-1E	—	—	9/9/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.99	5.51E-01	1.53E+00	—	pCi/L	—	J	145195	GU05090PE1M01	GELC
M-1E	—	—	8/17/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.38	4.90E-01	1.40E+00	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1W	—	—	8/17/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	11.4	1.70E+00	2.90E+00	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	4/27/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.87	8.97E-01	1.97E+00	—	pCi/L	—	J	135494	GU05040PW1M01	GELC
M-1W	—	—	6/26/2006	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.45	1.23E+00	2.73E+00	—	pCi/L	—	J	166077	GU060600PW1M01	GELC
M-1W	—	—	9/8/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.47	7.01E-01	1.65E+00	—	pCi/L	—	J	145195	GU05090PW1M01	GELC
M-1W	—	—	8/20/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	12.5	2.49E+00	3.66E+00	—	pCi/L	—	—	192146	GU070800PW1M01	GELC
MCA-1	5601	2.4	7/12/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.31	5.96E-01	1.42E+00	—	pCi/L	—	J, J-	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	8/31/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.31	5.48E-01	1.79E+00	—	pCi/L	U	U	144703	GU05080GMA101	GELC
MCA-1	5601	2.4	4/26/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.66	7.13E-01	2.18E+00	—	pCi/L	—	J	135408	GU05040GMA101	GELC
MCA-1	5601	2.4	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.22	4.30E-01	1.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.22	4.30E-01	1.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCO-0.6	5641	1.05	9/19/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.86	1.31E+00	2.84E+00	—	pCi/L	—	J, J-	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	7/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.294	5.72E-01	2.71E+00	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	7/10/2006	WG	F	CS	—	Rad	EPA:900	Gross beta	—	12.9	1.40E+00	4.17E+00	—	pCi/L	—	—	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.82	1.20E+00	3.00E+00	—	pCi/L	—	—	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	4.82	1.20E+00	3.00E+00	—	pCi/L	—	—	09-2805	CAMO-09-9472	GELC
MCO-2	4551	2	7/10/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-6.95	9.00E-02	—	—	permil	—	—	12657	EU060500G2CM01	EES6
MCO-2	4551	2	8/13/2008	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-43.93	3.00E-02	—	—	permil	—	—	08-1673	CAMO-08-14462	SILENS
MCO-2	4551	2	7/10/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-46.7	4.00E-01	—	—	permil	—	—	12582	EU060500G2CM01	EES6
MCO-2	4551	2	8/13/2008	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-6.06	1.40E-01	—	—	permil	—	—	08-1673	CAMO-08-14462	SILENS
MCO-2	4551	2	8/13/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-5.93	1.40E-01	—	—	permil	—	—	08-1673	CAMO-08-14460	SILENS
MCO-2	4551	2	8/12/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-67.65	—	—	—	permil	—	—	09-2879	CAMO-09-9492	EES6
MCO-2	4551	2	8/13/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-45.26	4.90E-01	—	—	permil	—	—	08-1673	CAMO-08-14460	SILENS
MCO-2	4551	2	8/12/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.66	—	—	—	permil	—	—	09-2879	CAMO-09-9492	EES6
MCO-3	4561	2	11/5/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1290	—	—	2.40E+00	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	11/6/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	256	—	—	2.40E+00	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	8/12/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.68	—	—	—	permil	—	—	09-2879	CAMO-09-9487	EES6
MCO-3	4561	2	7/12/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.47	5.79E-01	1.22E+00	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	11/5/2009	WG	F	RE	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	296	—	—	2.40E+00	mg/L	H	J-	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	7/8/2003	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.47	7.12E-01	2.25E+00	—	pCi/L	—	J-	83839	GU03060G3CM02	GELC
MCO-3	4561	2	8/12/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	15.76	—	—	—	permil	—	—	09-2879	CAMO-09-9488	EES6
MCO-3	4561	2	5/1/2002	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	12.4	1.08E+00	2.14E+00	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	4/30/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	387	—	—	2.40E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	7/31/2001	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.99	9.11E-01	2.70E+00	—	pCi/L	—	J	46853	GU01091G3CM	GELC
MCO-3	4561	2	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	2/11/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	404	—	—	2.40E+00	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	13.8	2.60E+00	2.70E+00	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	8/12/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-63.4	—	—	—	permil	—	—	09-2879	CAMO-09-9487	EES6
MCO-4B	4581	8.9	4/21/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.96	1.15E+00	1.89E+00	—	pCi/L	—	J	135047	GU05040G4BM01	GELC
MCO-4B	4581	8.9	8/18/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.41	7.70E-01	2.90E+00	—	pCi/L	U	UJ	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	8/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.32	8.17E-01	2.02E+00	—	pCi/L	—	J	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	9/14/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.24	8.29E-01	1.35E+00	—	pCi/L	—	—	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	6/27/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.67	8.40E-01	2.36E+00	—	pCi/L	—	J	166170	GU060500G4BM01	GELC
MCO-5	4591	21	8/21/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.04	1.48E+00	3.15E+00	—	pCi/L	—	J	192208	GU070800G5CM01	GELC
MCO-5	4591	21	8/21/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.431	3.98E-01	1.43E+00	—	pCi/L	U	U	192208	GU070800G5CM01-FB	GELC



Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	6/7/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.777	5.20E-01	1.80E+00	—	pCi/L	U	U	114586	GU04060G5CM01	GELC
MCO-5	4591	21	8/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.61	6.10E-01	1.30E+00	—	pCi/L	—	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	5/3/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.66	6.85E-01	1.89E+00	—	pCi/L	—	J	135782	GU05050G5CM01	GELC
MCO-5	4591	21	9/15/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.83	1.08E+00	3.13E+00	—	pCi/L	—	J	145782	GU05090G5CM01	GELC
MCO-6	4601	27	8/12/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-4.08	—	—	—	permil	—	—	09-2879	CAMO-09-9505	EES6
MCO-6	4601	27	9/14/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-84.29	7.80E-01	—	—	permil	—	—	8117	EU05090G6CM01	EES6
MCO-6	4601	27	9/14/2005	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.86	2.00E-01	—	—	permil	—	—	8040	EU05090G6CM01	EES6
MCO-6	4601	27	9/14/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.2	1.11E+00	2.47E+00	—	pCi/L	—	J	145739	GU05090G6CM01	GELC
MCO-6	4601	27	8/19/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-16.6	—	—	—	permil	—	—	08-1710	CAMO-08-14477	EES6
MCO-6	4601	27	4/27/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.18	7.34E-01	1.84E+00	—	pCi/L	—	J	135556	GU05040G6CM01	GELC
MCO-6	4601	27	8/14/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.25	1.40E-01	—	—	permil	—	—	19414	EU070800G6CM01	EES6
MCO-6	4601	27	8/14/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-19.87	9.00E-02	—	—	permil	—	—	19344	EF070800G6CM01	EES6
MCO-6	4601	27	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.881	1.10E+00	2.30E+00	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	8/12/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.49	—	—	—	permil	—	—	09-2879	CAMO-09-9507	EES6
MCO-6	4601	27	8/14/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.02	8.33E-01	2.88E+00	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	8/19/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-83.76	—	—	—	permil	—	—	08-1710	CAMO-08-14478	EES6
MCO-6	4601	27	8/19/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.33	—	—	—	permil	—	—	08-1710	CAMO-08-14478	EES6
MCO-6	4601	27	4/27/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-86.26	3.90E-01	—	—	permil	—	—	5722	EU05040G6CM01	EES6
MCO-6	4601	27	8/14/2007	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-19.92	9.00E-02	—	—	permil	—	—	19345	EF070800G6CM20	EES6
MCO-6	4601	27	8/14/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	3.02	1.16E+00	2.47E+00	—	pCi/L	—	J	191665	GU070800G6CM20	GELC
MCO-6	4601	27	8/14/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.156	2.94E-01	1.20E+00	—	pCi/L	U	U	191665	GU070800G6CM01-FB	GELC
MCO-6	4601	27	7/6/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-8.5	8.00E-02	—	—	permil	—	—	12661	EU060500G6CM01	EES6
MCO-6	4601	27	9/14/2005	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-27.24	2.30E-01	—	—	permil	—	—	11804	EF05090G6CM01	EES6
MCO-6	4601	27	7/6/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-57.33	2.00E-01	—	—	permil	—	—	12585	EU060500G6CM01	EES6
MCO-6	4601	27	8/12/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-70.34	—	—	—	permil	—	—	09-2879	CAMO-09-9507	EES6
MCO-6	4601	27	7/6/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-16.93	1.00E-01	—	—	permil	—	—	12935	EF060500G6CM01	EES6
MCO-6	4601	27	7/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-3.48	4.42E-01	1.19E+00	—	pCi/L	U	R	166714	GU060500G6CM01	GELC
MCO-7	4631	39	4/28/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-73.37	5.60E-01	—	—	permil	—	—	5723	EU05040G7CM01	EES6
MCO-7	4631	39	8/13/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-74.93	—	—	—	permil	—	—	09-2874	CAMO-09-9514	EES6
MCO-7	4631	39	8/13/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.34	—	—	—	permil	—	—	09-2874	CAMO-09-9514	EES6
MCO-7	4631	39	8/13/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-15.97	—	—	—	permil	—	—	09-2874	CAMO-09-9512	EES6
MCO-7	4631	39	9/14/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-85.75	6.70E-01	—	—	permil	—	—	11273	EU05090G7CM01	EES6
MCO-7	4631	39	9/14/2005	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.94	2.00E-01	—	—	permil	—	—	8042	EU05090G7CM01	EES6
MCO-7	4631	39	7/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.459	7.17E-01	2.73E+00	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	7/6/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-25.16	1.00E-01	—	—	permil	—	—	12936	EF060500G7CM01	EES6
MCO-7	4631	39	7/6/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-70.04	—	—	—	permil	—	—	12586	EU060500G7CM01	EES6
MCO-7	4631	39	7/6/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.4	8.00E-02	—	—	permil	—	—	12662	EU060500G7CM01	EES6
MCO-7	4631	39	8/28/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.21	8.10E-01	1.64E+00	—	pCi/L	—	J-, J	192790	GU070800G7CM01	GELC
MCO-7	4631	39	8/28/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-25.24	1.90E-01	—	—	permil	—	—	19346	EF070800G7CM01	EES6
MCO-7	4631	39	8/28/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.09	1.40E-01	—	—	permil	—	—	19416	EU070800G7CM01	EES6
MCO-7	4631	39	8/19/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.69	—	—	—	permil	—	—	08-1710	CAMO-08-14483	EES6
MCO-7	4631	39	8/19/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.85	—	—	—	permil	—	—	08-1710	CAMO-08-14483	EES6
MCO-7	4631	39	8/19/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-22.32	—	—	—	permil	—	—	08-1710	CAMO-08-14482	EES6
MCO-7	4631	39	9/14/2005	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	-48.03	9.00E-02	—	—	permil	—	—	12626	EF05090G7CM01	EES6
MCO-7	4631	39	8/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.29	1.70E+00	3.90E+00	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	9/14/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.99	8.84E-01	2.29E+00	—	pCi/L	U	U	145579	GU05090G7CM01	GELC
MCO-7	4631	39	4/28/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.21	8.77E-01	2.06E+00	—	pCi/L	—	J	135556	GU05040G7CM01	GELC
MCO-7.5	4661	35	8/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	1.00E+00	2.90E+00	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	8/5/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.3	1.00E+00	2.70E+00	—	pCi/L	U	U	09-2791	CAMO-09-9515	GELC
MCO-7.5	4661	35	9/13/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.4	9.65E-01	2.57E+00	—	pCi/L	U	U	145579	GU05090G57M01	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	7/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.841	7.44E-01	2.93E+00	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	4/28/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.8	7.19E-01	1.47E+00	—	pCi/L	—	J	135556	GU05040G57M01	GELC
MCO-7.5	4661	35	8/29/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.74	8.92E-01	2.78E+00	—	pCi/L	U	J-, U	192874	GU070800G57M20	GELC
MCO-7.5	4661	35	8/29/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.83	9.38E-01	2.92E+00	—	pCi/L	U	J-, U	192874	GU070800G57M01	GELC
MCOI-4	5981	499	6/27/2006	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.28	4.20E-01	1.94E+00	—	pCi/L	U	U, J-	166310	GU060500GMC401-FB	GELC
MCOI-4	5981	499	9/13/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.435	4.00E-01	2.08E+00	—	pCi/L	U	U	145579	GU05090GMC401	GELC
MCOI-4	5981	499	8/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.12	4.90E-01	1.50E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	6/23/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.431	4.51E-01	2.06E+00	—	pCi/L	U	U	139405	GU05050GMC401	GELC
MCOI-4	5981	499	8/24/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-1.1	5.26E-01	2.68E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	6/27/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.171	5.57E-01	2.68E+00	—	pCi/L	U	U, J-	166310	GU060500GMC401	GELC
MCOI-5	5721	689	6/9/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.698	4.94E-01	1.90E+00	—	pCi/L	U	U	138436	GU05050GMC501	GELC
MCOI-5	5721	689	8/23/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.194	6.30E-01	2.44E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	6/26/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.1	8.46E-01	3.10E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.82	4.00E-01	1.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	8/23/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.17	7.16E-01	2.29E+00	—	pCi/L	U	U	192433	GU070800GMC520	GELC
MCOI-5	5721	689	9/9/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.147	6.59E-01	3.18E+00	—	pCi/L	U	U	145267	GU05090GMC501	GELC
MCOI-6	5731	686	6/29/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.301	6.18E-01	2.87E+00	—	pCi/L	U	U	166358	GU060500GMC690	GELC
MCOI-6	5731	686	8/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.103	4.90E-01	2.10E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	9/1/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.53	5.80E-01	2.42E+00	—	pCi/L	U	U	144745	GU05090GMC601	GELC
MCOI-6	5731	686	6/29/2006	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	-0.051	2.64E-01	1.49E+00	—	pCi/L	U	U	166358	GU060500GMC601-FB	GELC
MCOI-6	5731	686	6/15/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.12	4.74E-01	1.66E+00	—	pCi/L	U	U	138851	GU05050GMC601	GELC
MCOI-6	5731	686	6/29/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.948	3.76E-01	1.22E+00	—	pCi/L	U	U	166358	GU060500GMC601	GELC
MCOI-6	5731	686	8/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.402	7.90E-01	2.97E+00	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	8/19/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.139	4.60E-01	2.00E+00	—	pCi/L	U	U	09-2970	CAMO-09-9537	GELC
Mortandad below Effluent Canyon	—	—	6/28/2006	WP	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.08	6.68E-01	1.63E+00	—	pCi/L	—	J	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	—	—	8/22/2007	WP	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.5	1.25E+00	1.98E+00	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	—	—	4/29/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.77	8.79E-01	1.24E+00	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	—	—	8/22/2007	WP	UF	CS	FD	Rad	EPA:900	Gross alpha	—	6.86	1.23E+00	1.48E+00	—	pCi/L	—	—	192303	GU070800P20020	GELC
Mortandad below Effluent Canyon	—	—	8/18/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	10.7	1.80E+00	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9456	GELC
R-1	1701	1031.1	7/6/2006	WG	UF	CS	FD	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.43	—	—	—	permil	—	—	12603	EU060500G01R90	EES6
R-1	1701	1031.1	7/6/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.383	3.62E-01	1.41E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	7/6/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.98	8.00E-02	—	—	permil	—	—	12678	EU060500G01R01	EES6
R-1	1701	1031.1	7/6/2006	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.87	8.00E-02	—	—	permil	—	—	12679	EU060500G01R90	EES6
R-1	1701	1031.1	8/13/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.63	9.00E-02	—	—	permil	—	—	19328	EF070800G01R01	EES6
R-1	1701	1031.1	7/6/2006	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.71	1.90E-01	—	—	permil	—	—	17954	EF060500G01R90	EES6
R-1	1701	1031.1	8/13/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.84	1.00E-01	—	—	permil	—	—	19279	EU070800G01R01	EES6
R-1	1701	1031.1	8/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.56	6.06E-01	1.61E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	7/6/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.92	7.49E-01	2.25E+00	—	pCi/L	U	U	166714	GU060500G01R90	GELC
R-1	1701	1031.1	8/13/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.55	—	—	—	permil	—	—	09-2876	CAMO-09-9551	EES6
R-1	1701	1031.1	7/6/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.25	5.00E-01	—	—	permil	—	—	12602	EU060500G01R01	EES6
R-1	1701	1031.1	7/6/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.13	3.00E-02	—	—	permil	—	—	17952	EF060500G01R01	EES6
R-1	1701	1031.1	8/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.18	3.80E-01	6.70E-01	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	8/13/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.8	—	—	—	permil	—	—	09-2876	CAMO-09-9549	EES6
R-1	1701	1031.1	9/12/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	14.5	1.39E+00	2.64E+00	—	pCi/L	—	—	145457	GU05080G01R01	GELC
R-1	1701	1031.1	8/13/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-78.26	—	—	—	permil	—	—	09-2876	CAMO-09-9549	EES6
R-1	1701	1031.1	8/15/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.79	1.00E-02	—	—	permil	—	—	08-1697	CAMO-08-14505	EES6
R-1	1701	1031.1	1/25/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	0.968	3.32E-01	8.10E-01	—	pCi/L	—	J	154721	GU06010G01R01	GELC
R-1	1701	1031.1	1/25/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.32	3.00E-02	—	—	permil	—	—	11320	EU06010G01R01	EES6
R-1	1701	1031.1	1/25/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	1.30E-01	—	—	permil	—	—	11471	EU06010G01R01	EES6

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	11/28/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.19	1.00E-02	—	—	permil	—	—	11302	EU05110G01R01	EES6
R-1	1701	1031.1	8/15/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.78	1.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14505	EES6
R-1	1701	1031.1	8/15/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.6	2.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14503	EES6
R-13	1741	958.3	7/3/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0249	5.32E-01	2.72E+00	—	pCi/L	U	U	166561	GU06050G13R01	GELC
R-13	1741	958.3	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	11.1	1.80E+00	2.50E+00	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	6/11/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.241	3.22E-01	1.38E+00	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	7/3/2006	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.29	4.20E-01	1.87E+00	—	pCi/L	U	U	166561	GU06050G13R01-FB	GELC
R-13	1741	958.3	8/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.25	3.52E-01	2.12E+00	—	pCi/L	U	U	191858	GU07080G13R01	GELC
R-13	1741	958.3	12/9/2003	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	0.647	2.03E-01	5.87E-01	—	pCi/L	—	J	103702	GU03120G31R01	GELC
R-14	8571	1200.6	8/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9571	UMTL
R-14	8571	1200.6	11/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.901	5.30E-01	1.60E+00	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	5/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.14	5.90E-01	9.60E-01	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	2/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1039	CAMO-09-2862	UMTL
R-14	8571	1200.6	5/7/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.14	4.30E-01	1.10E+00	—	pCi/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	5/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1855	CAMO-09-8207	UMTL
R-14	8571	1200.6	8/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.941	3.60E-01	1.10E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	11/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-344	CAMO-09-791	UMTL
R-14	8571	1200.6	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-381	CAMO-10-3215	UMTL
R-15	1751	958.6	8/16/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.223	4.41E-01	2.57E+00	—	pCi/L	U	U	191858	GU07080G15R01	GELC
R-15	1751	958.6	8/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.587	3.20E-01	9.90E-01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	8/6/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	1.31	4.20E-01	1.20E+00	—	pCi/L	—	—	09-2805	CAMO-09-9544	GELC
R-15	1751	958.6	5/25/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.164	3.46E-01	1.65E+00	—	pCi/L	U	U	137440	GU05050G15R01	GELC
R-15	1751	958.6	8/31/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.102	5.00E-01	2.52E+00	—	pCi/L	U	U	144703	GU05080G15R01	GELC
R-15	1751	958.6	7/3/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	6.91E-01	2.38E+00	—	pCi/L	U	U	166561	GU06050G15R01	GELC
R-16	8871	1237	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-662	CAMO-10-3193	UMTL
R-16	8871	1237	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.51088	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-823	UMTL
R-16	8871	1237	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-802	CAMO-09-2641	UMTL
R-16	8871	1237	8/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	1.06E+00	3.58E+00	—	pCi/L	U	U	08-1660	CAMO-08-14845	ARSL
R-16	8871	1237	5/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1136	CAMO-08-12809	UMTL
R-16	8861	863.4	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-802	CAMO-09-2637	UMTL
R-16	8861	863.4	8/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.34106	1.04E+00	3.38E+00	—	pCi/L	U	U	08-1660	CAMO-08-14842	ARSL
R-16	8861	863.4	6/13/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0835	4.23E-01	2.04E+00	—	pCi/L	U	U	138675	GU0506G16R201	GELC
R-16	8861	863.4	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-820	UMTL
R-16	8861	863.4	5/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1149	CAMO-08-12783	UMTL
R-16	8861	863.4	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	10-662	CAMO-10-3150	UMTL
R-16	8861	863.4	3/8/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.353	4.00E-01	1.46E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	11/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	7.20E-01	2.10E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16r	6341	600	5/24/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.99	7.24E-01	1.82E+00	—	pCi/L	—	J	163786	GU06050GR16A01	GELC
R-16r	6341	600	2/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2619	UMTL
R-16r	6341	600	8/11/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.86	4.10E-01	9.80E-01	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	8/17/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.25	6.45E-01	1.94E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	11/4/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-803	UMTL
R-16r	6341	600	5/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8192	UMTL
R-16r	6341	600	2/13/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2621	UMTL
R-16r	6341	600	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-581	CAMO-10-3144	UMTL
R-16r	6341	600	3/8/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.31	6.36E-01	2.11E+00	—	pCi/L	U	U	157839	GU0602GR16A01	GELC
R-16r	6341	600	8/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2842	CAMO-09-9556	UMTL
R-16r	6341	600	5/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8194	UMTL
R-16r	6341	600	8/20/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.08	4.85E-01	1.29E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	11/4/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-801	UMTL

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	7/5/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.2	8.00E-02	—	—	permil	—	—	12680	EU060500G28R01	EES6
R-28	1781	934.3	7/5/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.305	2.40E-01	7.94E-01	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	9/1/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.202	3.37E-01	1.69E+00	—	pCi/L	U	U	144739	GU05080G28R01	GELC
R-28	1781	934.3	8/13/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	11.16	—	—	—	permil	—	—	09-2876	CAMO-09-9547	EES6
R-28	1781	934.3	7/5/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.71	—	—	—	permil	—	—	12948	EF060500G28R01	EES6
R-28	1781	934.3	11/10/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.7	2.50E-01	—	—	permil	—	—	11301	EU05110G28R01	EES6
R-28	1781	934.3	1/26/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.307	3.82E-01	1.24E+00	—	pCi/L	U	U	154759	GU06010G28R01	GELC
R-28	1781	934.3	8/15/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.6	1.11E+00	—	—	permil	—	—	08-1697	CAMO-08-14543	EES6
R-28	1781	934.3	8/15/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	8.86	2.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14542	EES6
R-28	1781	934.3	8/15/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.81	1.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14543	EES6
R-28	1781	934.3	8/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.75	5.58E-01	1.22E+00	—	pCi/L	—	J	191952	GU070800G28R01	GELC
R-28	1781	934.3	1/26/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.12	1.30E-01	—	—	permil	—	—	11473	EU06010G28R01	EES6
R-28	1781	934.3	7/5/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-72.16	1.00E-01	—	—	permil	—	—	12607	EU060500G28R01	EES6
R-28	1781	934.3	8/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.18	4.90E-01	7.30E-01	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	8/13/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.85	—	—	—	permil	—	—	09-2876	CAMO-09-9546	EES6
R-28	1781	934.3	8/17/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.64	1.80E-01	—	—	permil	—	—	19337	EF070800G28R01	EES6
R-28	1781	934.3	1/26/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.86	8.00E-02	—	—	permil	—	—	11322	EU06010G28R01	EES6
R-28	1781	934.3	1/26/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	10.56	1.30E-01	—	—	permil	—	—	11832	EF06010G28R01	EES6
R-28	1781	934.3	8/13/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-71.12	—	—	—	permil	—	—	09-2876	CAMO-09-9546	EES6
R-28	1781	934.3	8/17/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.95	1.40E-01	—	—	permil	—	—	19406	EU070800G28R01	EES6
R-33	5501	1112.4	5/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8202	UMTL
R-33	5501	1112.4	8/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.452	3.70E-01	1.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	8/30/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.58	8.15E-01	2.40E+00	—	pCi/L	U	U, J-	192972	GU07080G33R201	GELC
R-33	5501	1112.4	5/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.592	4.30E-01	1.40E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	8/30/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.574	5.69E-01	2.10E+00	—	pCi/L	U	U, J-	192972	GF07080G33R201	GELC
R-33	5501	1112.4	5/5/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.707	4.80E-01	1.60E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	2/14/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	0.901	3.50E-01	8.74E-01	—	pCi/L	—	J-, J	156255	GU0602G33R201	GELC
R-33	5501	1112.4	9/15/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.433	5.78E-01	2.69E+00	—	pCi/L	U	U	145739	GU0509G33R201	GELC
R-33	5501	1112.4	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-798	CAMO-09-2868	UMTL
R-33	5501	1112.4	6/24/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.822	3.20E-01	9.89E-01	—	pCi/L	U	U	139551	GU0506G33R201	GELC
R-33	5501	1112.4	6/24/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.433	2.95E-01	1.13E+00	—	pCi/L	U	U	139551	GF0506G33R201	GELC
R-33	5501	1112.4	11/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.09	6.90E-01	2.20E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/11/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-796	UMTL
R-33	5501	1112.4	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9580	UMTL
R-33	5501	1112.4	11/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3211	UMTL
R-33	5501	1112.4	9/15/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.758	6.50E-01	2.71E+00	—	pCi/L	U	U	145739	GF0509G33R201	GELC
R-33	5491	995.5	5/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.28	4.90E-01	1.20E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	11/9/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.212	5.50E-01	2.40E+00	—	pCi/L	U	U	10-423	CAMO-10-3199	GELC
R-33	5491	995.5	5/6/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	6.10E-01	1.70E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	11/9/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3196	UMTL
R-33	5491	995.5	11/9/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3199	UMTL
R-33	5491	995.5	11/11/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-793	UMTL
R-33	5491	995.5	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57474	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1855	CAMO-09-8200	UMTL
R-33	5491	995.5	2/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1039	CAMO-09-2865	UMTL
R-33	5491	995.5	9/14/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.348	3.90E-01	1.70E+00	—	pCi/L	U	U	145739	GU0509G33R101	GELC
R-33	5491	995.5	6/27/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.823	3.05E-01	9.36E-01	—	pCi/L	U	U	139722	GF0506G33R101	GELC
R-33	5491	995.5	8/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	8.10E-01	2.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	6/27/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0354	3.14E-01	1.34E+00	—	pCi/L	U	U	139722	GU0506G33R101	GELC
R-33	5491	995.5	11/9/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.704	5.80E-01	2.00E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	9/14/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.16	4.42E-01	1.23E+00	—	pCi/L	U	U	145739	GF0509G33R101	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9578	UMTL
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.4	—	—	2.00E+00	ug/L	J	J	09-216	CAMO-09-818	GELC
R-34	1791	883.7	8/14/2007	WG	F	CS	FD	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.01	9.00E-02	—	—	permil	—	—	19331	EF070800G34R20	EES6
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	3.00E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.2	—	—	2.00E+00	ug/L	J	J	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.43	—	—	1.00E-02	SU	H	J-	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.5	—	—	2.00E+00	ug/L	J	J	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.8	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	8/14/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.28	9.00E-02	—	—	permil	—	—	19330	EF070800G34R01	EES6
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	uS/cm	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.92	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	7/17/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.52	5.00E-02	—	—	permil	—	—	12946	EF060500G34R01	EES6
R-34	1791	883.7	7/17/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.35	5.00E-01	—	—	permil	—	—	12604	EU060500G34R01	EES6
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	6.60E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	7/17/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	9.00E-02	—	—	permil	—	—	12961	EU060500G34R01	EES6
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.38	—	—	3.30E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.86	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.4	—	—	3.20E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	3.00E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.4	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	J	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.94	1.00E-01	—	—	permil	—	—	19280	EU070800G34R01	EES6
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.83	1.00E-01	—	—	permil	—	—	19281	EU070800G34R20	EES6
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.905	—	—	3.30E-01	mg/L	J	J	09-216	CAMO-09-818	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.73439	9.93E-01	3.42E+00	—	pCi/L	U	U	08-1738	CAMO-08-14546	ARSL
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.492	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.3	—	—	1.00E+00	ug/L	—	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	1.5	—	—	1.50E+00	ug/L	J	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.479	—	—	3.30E-01	mg/L	J	J	08-1696	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	13.6	—	—	1.00E+01	ug/L	J	J	08-1698	CAMO-08-14545	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.2	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-216	CAMO-09-818	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.467	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.72	—	—	1.00E-01	mg/L	—	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.3	—	—	7.30E-01	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.5	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.9	—	—	2.00E+00	ug/L	EJ	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.03	2.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14545	EES6
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.1	—	—	1.00E+00	ug/L	—	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.2	—	—	2.00E+00	ug/L	EJ	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.82	8.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14546	EES6
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.287	—	—	5.00E-02	ug/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.9	—	—	1.00E+01	ug/L	J	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2	—	—	1.50E+00	ug/L	J	U	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.4	1.40E-01	—	—	permil	—	—	08-1697	CAMO-08-14546	EES6
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.38	—	—	5.00E-02	ug/L	—	U	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	1/31/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.31	3.90E-01	—	—	permil	—	—	11326	EU06010G34R01	EES6
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.362	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.3	—	—	6.60E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	11/29/2005	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.26	2.20E-01	—	—	permil	—	—	11306	EU05110G34R01	EES6
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.38	—	—	5.00E-02	ug/L	—	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.58	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-818	UMTL
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.00E+01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.71	—	—	1.00E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.03	—	—	7.30E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.74	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1855	CAMO-09-8189	UMTL
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.119	—	—	1.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.524	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	5.46	—	—	3.30E+00	ug/L	J	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.73	—	—	3.30E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.38	—	—	1.50E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.88	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.21	—	—	1.50E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.426	—	—	3.30E-01	mg/L	J	J	10-493	CAMO-10-3147	GELC



Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.98	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-77.32	—	—	—	permil	—	—	09-2879	CAMO-09-9563	EES6
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3147	UMTL
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.52	—	—	—	permil	—	—	09-2879	CAMO-09-9564	EES6
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.81	—	—	—	permil	—	—	09-2879	CAMO-09-9563	EES6
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.67	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	15.4	—	—	3.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9563	UMTL
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.68	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.451	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.9	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.82	—	—	3.30E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.2	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.05	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.5	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2636	UMTL
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.398	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.771	—	—	3.30E-01	mg/L	J	J	09-892	CAMO-09-2636	GELC



Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.374	—	—	3.30E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.3	—	—	7.30E-01	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.11	—	—	7.30E-01	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.356	—	—	5.00E-02	ug/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	11/4/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	ug/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	11/4/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.73	—	—	1.00E-01	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.316	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.51	—	—	1.00E-02	SU	H	J-	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.4	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11.1	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.39	—	—	6.60E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.9	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.42	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	6.60E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.9	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.5	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.49	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.06	—	—	3.00E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.83	—	—	1.50E+00	ug/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	ug/L	—	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.7	—	—	7.30E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	3.00E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.46	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.444	—	—	3.30E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.81	—	—	1.50E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	3.20E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.79	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.2	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.4	—	—	1.00E+01	ug/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.606	—	—	3.30E-01	mg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	8.50E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	3.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.62	—	—	1.00E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.31	—	—	5.00E-02	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-42	8591	931.8	11/20/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	205.3099	6.71E+00	2.87E-01	—	pCi/L	—	—	09-379	CAMO-09-828	UMTL
R-42	8591	931.8	11/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	216.4854	7.02E+00	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3218	UMTL
R-42	8591	931.8	11/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.768	6.90E-01	2.50E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.966	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9568	UMTL
R-42	8591	931.8	8/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.62	3.50E-01	6.30E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	5/11/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.349	6.40E-01	2.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	5/11/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	7.30E-01	2.20E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	5/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.3274	6.39E+00	2.87E-01	—	pCi/L	—	—	09-1855	CAMO-09-8209	UMTL
R-42	8591	931.8	2/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	181.3624	6.07E+00	2.87E-01	—	pCi/L	—	—	09-1039	CAMO-09-2870	UMTL
R-44	8671	895	2/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.768	6.10E-01	2.10E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-918	CAMO-09-4437	UMTL
R-44	8671	895	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.21334	2.87E-01	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3225	UMTL
R-44	8671	895	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.186	7.80E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	7/14/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.27	8.70E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	7/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2634	CAMO-09-11387	UMTL
R-44	8671	895	11/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.595	6.40E-01	2.40E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	8/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.244	3.40E-01	1.10E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	2/17/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.67	9.40E-01	2.80E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	8/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.54281	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9922	UMTL
R-44	8681	985.3	7/14/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.04	8.20E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	2.87E-01	2.87E-01	—	pCi/L	—	U	10-523	CAMO-10-3228	UMTL
R-44	8681	985.3	2/22/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.632	5.10E-01	1.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	7/14/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2634	CAMO-09-11399	UMTL
R-44	8681	985.3	8/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.53	4.80E-01	1.40E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	2/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1041	CAMO-09-4441	UMTL
R-44	8681	985.3	11/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.136	4.50E-01	2.10E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	2/22/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.76	8.50E-01	2.20E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	7/14/2009	WG	F	CS	FD	Rad	EPA:900	Gross alpha	<	0.659	8.20E-01	3.00E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	7/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2634	CAMO-09-11393	UMTL
R-44	8681	985.3	8/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9927	UMTL
R-44	8681	985.3	7/14/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.549	6.50E-01	2.50E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	7/14/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.77	5.10E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-45	8721	880	7/16/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.38	8.70E-01	1.70E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	2/28/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.637	5.80E-01	2.00E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.66036	2.87E-01	2.87E-01	—	pCi/L	—	—	10-581	CAMO-10-3231	UMTL
R-45	8721	880	2/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1053	CAMO-09-4583	UMTL
R-45	8721	880	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.08	7.30E-01	1.80E+00	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	8/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.34	1.00E+00	2.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	11/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.538	6.60E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC

Table C-1 Mortandad Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	7/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.56457	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11401	UMTL
R-45	8721	880	8/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.07971	3.51E-01	2.87E-01	—	pCi/L	—	—	09-3009	CAMO-09-10254	UMTL
R-45	8721	880	2/28/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.124	6.80E-01	2.60E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8731	974.9	3/5/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.565	5.40E-01	1.90E+00	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	7/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.808	6.30E-01	2.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	11/16/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.825	6.70E-01	2.30E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	8/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.137	4.40E-01	1.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	7/16/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.54	7.50E-01	1.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.76632	2.87E-01	2.87E-01	—	pCi/L	—	U	10-581	CAMO-10-3234	UMTL
R-45	8731	974.9	7/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.9579	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11412	UMTL
R-45	8731	974.9	8/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.83018	2.87E-01	2.87E-01	—	pCi/L	—	U	09-3009	CAMO-09-10256	UMTL
R-45	8731	974.9	3/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.41509	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1184	CAMO-09-4588	UMTL
R-45	8731	974.9	3/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.44	8.60E-01	2.60E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-46	—	—	2/10/2009	W	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.55	7.70E-01	2.20E+00	—	pCi/L	U	U	09-852	RC46-09-3034	GELC
R-46	8741	1340	11/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.766	6.30E-01	2.20E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	3/11/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.834	6.40E-01	2.20E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.02	6.00E-01	1.90E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	8/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.623	3.10E-01	9.50E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	3/11/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.581	4.70E-01	1.60E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-9273	UMTL
R-46	8741	1340	3/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1173	CAMO-09-5490	UMTL
R-46	8741	1340	8/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-10260	UMTL
R-46	8741	1340	6/17/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.29	—	—	1.00E-02	permil	—	—	09-2383	CAMO-09-10498	EES6
R-46	8741	1340	6/17/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	<	-80.2	—	—	1.00E-03	permil	U	—	09-2383	CAMO-09-10498	EES6
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.52	—	—	—	permil	—	—	09-1868	CAMO-09-8218	EES6
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	<	-11.3	—	—	1.00E-03	permil	U	—	09-1868	CAMO-09-9273	EES6
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.99	—	—	—	permil	—	—	09-1868	CAMO-09-9273	EES6
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	<	-11.27	—	—	1.00E-03	permil	U	—	09-1868	CAMO-09-8218	EES6
R-46	8741	1340	6/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2461	CAMO-09-10498	UMTL
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-8218	UMTL
R-46	8741	1340	5/13/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.32	6.10E-01	1.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	8/10/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-79.79	—	—	—	permil	—	—	09-2827	CAMO-09-10260	EES6
R-46	8741	1340	8/10/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-11.5	—	—	—	permil	—	—	09-2827	CAMO-09-10260	EES6
R-46	8741	1340	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3236	UMTL
R-46	8741	1340	6/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.568	5.20E-01	1.80E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	6/17/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	7.20E-01	2.10E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	5/13/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0599	7.00E-01	2.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.805	6.00E-01	2.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
TS-2E	—	—	8/18/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.905	3.10E-01	9.00E-01	—	pCi/L	—	U	09-2958	CAMO-09-9454	GELC
TS-2E	—	—	4/28/2005	WM	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.84	7.10E-01	2.02E+00	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent base flow	---	---	8/19/2009	WS	UF	CS	---	Rad	EPA:900	Gross alpha	<	0.324	3.90E-01	1.40E+00	---	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent base flow	---	---	8/21/2007	WP	UF	CS	---	Rad	EPA:900	Gross alpha	<	0.499	5.01E-01	1.80E+00	---	pCi/L	U	U	192216	GU070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent base flow	---	---	6/19/2007	WP	UF	CS	---	Rad	EPA:900	Gross alpha	---	4.13	1.48E+00	3.44E+00	---	pCi/L	---	J-, J	188310	GU070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent base flow	---	---	2/22/2007	WS	UF	CS	---	Rad	EPA:900	Gross alpha	<	1.42	6.31E-01	1.72E+00	---	pCi/L	U	U, J-	181347	GU070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent base flow	---	---	10/18/2006	WP	UF	CS	---	Rad	EPA:900	Gross alpha	---	3.55	1.35E+00	3.02E+00	---	pCi/L	---	J-, J	174497	GU061000PMSC01	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	---	86.5	---	---	7.30E-01	mg/L	---	---	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	---	84	---	---	7.30E-01	mg/L	---	---	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	---	81.5	---	---	7.30E-01	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	---	84.6	---	---	7.30E-01	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	---	80.9	---	---	7.30E-01	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Calcium	---	21.6	---	---	5.00E-02	mg/L	---	---	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.2	---	---	5.00E-02	mg/L	---	---	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Calcium	---	20.5	---	---	3.00E-02	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.1	---	---	3.00E-02	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.1	---	---	3.00E-02	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	---	Geninorg	SW-846:6010B	Calcium	---	21.3	---	---	5.00E-02	mg/L	---	---	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	---	Geninorg	SW-846:6010B	Calcium	---	18.8	---	---	5.00E-02	mg/L	---	---	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.9	---	---	3.00E-02	mg/L	---	---	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.2	---	---	3.00E-02	mg/L	---	---	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	---	Geninorg	SW-846:6010B	Calcium	---	19.1	---	---	3.00E-02	mg/L	---	---	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	EPA:300.0	Chloride	---	3.03	---	---	6.60E-02	mg/L	---	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	EPA:300.0	Chloride	---	2.54	---	---	6.60E-02	mg/L	---	---	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	EPA:300.0	Chloride	---	2.8	---	---	6.60E-02	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	EPA:300.0	Chloride	---	2.61	---	---	6.60E-02	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	EPA:300.0	Chloride	---	2.74	---	---	6.60E-02	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	EPA:300.0	Fluoride	---	0.231	---	---	3.30E-02	mg/L	---	---	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	EPA:300.0	Fluoride	---	0.523	---	---	3.30E-02	mg/L	---	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	EPA:300.0	Fluoride	---	0.35	---	---	3.30E-02	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	EPA:300.0	Fluoride	---	0.333	---	---	3.30E-02	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	EPA:300.0	Fluoride	---	0.325	---	---	3.30E-02	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	SM:A2340B	Hardness	---	72.2	---	---	3.50E-01	mg/L	---	---	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	SM:A2340B	Hardness	---	64.3	---	---	3.50E-01	mg/L	---	---	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	SM:A2340B	Hardness	---	68.9	---	---	3.50E-01	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	SM:A2340B	Hardness	---	63.5	---	---	3.50E-01	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	SM:A2340B	Hardness	---	64.6	---	---	3.50E-01	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	---	Geninorg	SM:A2340B	Hardness	---	71.3	---	---	3.50E-01	mg/L	---	---	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	---	Geninorg	SM:A2340B	Hardness	---	63.6	---	---	3.50E-01	mg/L	---	---	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	---	Geninorg	SM:A2340B	Hardness	---	66.4	---	---	3.50E-01	mg/L	---	---	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	---	Geninorg	SM:A2340B	Hardness	---	63.9	---	---	3.50E-01	mg/L	---	---	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	---	Geninorg	SM:A2340B	Hardness	---	64.5	---	---	3.50E-01	mg/L	---	---	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Magnesium	---	4.46	---	---	8.50E-02	mg/L	---	---	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Magnesium	---	3.97	---	---	8.50E-02	mg/L	---	---	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	---	Geninorg	SW-846:6010B	Magnesium	---	4.3	---	---	8.50E-02	mg/L	---	---	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	---	Geninorg	SW-846:6010B	Magnesium	---	3.84	---	---	8.50E-02	mg/L	---	---	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	---	Geninorg	SW-846:6010B	Magnesium	---	4.08	---	---	8.50E-02	mg/L	---	---	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	4.37	---	---	8.50E-02	mg/L	---	---	10-452	CASA-10-3704	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.087	—	—	1.00E-02	mg/L	—	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.485	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.555	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	J-	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.54	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.504	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.509	—	—	5.00E-02	ug/L	—	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.573	—	—	5.00E-02	ug/L	—	J+	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.463	—	—	5.00E-02	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.78	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.69	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.56	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	5/27/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.46	—	—	5.00E-02	mg/L	—	—	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.5	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.59	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.62	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.76	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4	—	—	1.00E-01	mg/L	—	J-	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.1	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.21	—	—	1.00E-01	mg/L	—	J-	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	J	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3705	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	08-1668	CASA-08-14372	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.03	—	—	—	permil	—	—	09-3332	CASA-09-12923	EES6
R-10	6381	874	8/13/2008	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.55	4.70E-01	—	—	permil	—	—	08-1669	CASA-08-14374	SILENS
R-10	6381	874	10/12/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-76.45	5.90E-01	—	—	permil	—	—	17778	EU06100GR10101	EES6
R-10	6381	874	6/29/2006	WG	UF	CS	—	Isotope	Deuterium Ratio	Deuterium Ratio	—	-75.83	4.00E-01	—	—	permil	—	—	13150	EU06060GR10101	EES6
R-10	6381	874	9/23/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.94	—	—	—	permil	—	—	09-3332	CASA-09-12924	EES6
R-10	6381	874	8/13/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.45	6.00E-02	—	—	permil	—	—	08-1669	CASA-08-14372	SILENS
R-10	6381	874	8/15/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.57	1.80E-01	—	—	permil	—	—	19338	EF07080GR10101	EES6
R-10	6381	874	2/21/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.03	8.00E-02	—	—	permil	—	—	18566	EF07020GR10101	EES6
R-10	6381	874	10/12/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.01	5.00E-02	—	—	permil	—	—	13005	EF06100GR10101	EES6
R-10	6381	874	9/23/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-9.88	—	—	—	permil	—	—	09-3332	CASA-09-12923	EES6
R-10	6381	874	8/13/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.6	1.40E-01	—	—	permil	—	—	08-1669	CASA-08-14374	SILENS
R-10	6381	874	8/15/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.64	1.40E-01	—	—	permil	—	—	19407	EU07080GR10101	EES6
R-10	6381	874	2/21/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.26	1.30E-01	—	—	permil	—	—	18616	EU07020GR10101	EES6
R-10	6381	874	10/12/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.84	1.30E-01	—	—	permil	—	—	17830	EU06100GR10101	EES6
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.6	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.9	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.8	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	48.5	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	48.3	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.2	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.00E+01	ug/L	J	J	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.6	—	—	1.00E+01	ug/L	J	J	08-1668	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.00E+01	ug/L	J	J	08-1234	CASA-08-12863	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.01	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.5	—	—	1.50E+00	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.1	—	—	1.50E+00	ug/L	J	J	09-205	CASA-09-909	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	5.5	—	—	1.50E+00	ug/L	—	U	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.46	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.12	—	—	2.50E+00	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	1.50E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5	—	—	1.50E+00	ug/L	—	U	08-1668	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.7	—	—	2.50E+00	ug/L	J	U	08-1234	CASA-08-12863	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.697	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.59	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.52	—	—	5.00E-01	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	08-1668	CASA-08-14372	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	5/27/2008	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.94	—	—	5.00E-01	ug/L	J	J	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.715	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.615	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	ug/L	J	J	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.8	—	—	3.20E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64	—	—	3.20E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.1	—	—	3.20E-02	mg/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	5/27/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.6	—	—	1.00E+00	ug/L	—	—	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	98.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	5/27/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.9	—	—	1.00E+00	ug/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.1	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.3	—	—	2.00E+00	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.2	—	—	2.00E+00	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	2.00E+00	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	5/27/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	2.00E+00	ug/L	—	—	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.6	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.9	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC



Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.1	—	—	2.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19	—	—	2.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.8	—	—	2.00E+00	ug/L	—	—	08-1668	CASA-08-14374	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.58	7.20E-01	1.70E+00	—	pCi/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.63	1.00E+00	2.60E+00	—	pCi/L	—	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.86	1.10E+00	2.40E+00	—	pCi/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.14	1.20E+00	2.80E+00	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.2	9.11E-01	2.86E+00	—	pCi/L	U	U	191714	GU07080GR10101	GELC
R-10	6381	874	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.69	1.06E+00	3.33E+00	—	pCi/L	U	U	188307	GU07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.53	1.16E+00	3.50E+00	—	pCi/L	—	J	181329	GU07020GR10101	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3704	UMTL
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	10-18	CASA-09-12923	UMTL
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-919	CASA-09-2786	UMTL
R-10	6381	874	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-876	UMTL
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.79967	1.14E+00	3.61E+00	—	pCi/L	U	U	08-1674	CASA-08-14374	ARSL
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1236	CASA-08-12863	UMTL
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88	—	—	7.30E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.1	—	—	7.30E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.2	—	—	7.30E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.9	—	—	7.30E-01	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.7	—	—	7.30E-01	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	3.00E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	3.00E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.06	—	—	6.60E-02	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.77	—	—	6.60E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.13	—	—	6.60E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.16	—	—	6.60E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.09	—	—	6.60E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.238	—	—	3.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.452	—	—	3.30E-02	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.311	—	—	3.30E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.1	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.2	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.4	—	—	3.50E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.3	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74.3	—	—	3.50E-01	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.8	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.6	—	—	3.50E-01	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.1	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.8	—	—	3.50E-01	mg/L	—	—	09-281	CASA-09-879	GELC



Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	8.50E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.73	—	—	8.50E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.43	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.35	—	—	8.50E-02	mg/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.515	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0451	—	—	1.00E-02	mg/L	J	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.488	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.529	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.503	—	—	5.00E-02	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.483	—	—	5.00E-02	ug/L	—	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.563	—	—	5.00E-02	ug/L	—	J+	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.7	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.77	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.8	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	5.00E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.78	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.7	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	4.50E-02	mg/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.5	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.64	—	—	1.00E-01	mg/L	—	J-	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	J-	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3709	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.391	—	—	3.30E-01	mg/L	J	J	10-451	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-3333	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.634	—	—	3.30E-01	mg/L	J	J	09-1839	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.537	—	—	3.30E-01	mg/L	J	J	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.76	—	—	3.30E-01	mg/L	J	J	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-281	CASA-09-878	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.95	—	—	—	permil	—	—	09-3332	CASA-09-12928	EES6
R-10	6391	1042	8/13/2008	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.64	6.00E-02	—	—	permil	—	—	08-1669	CASA-08-14375	SILENS
R-10	6391	1042	8/15/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.97	1.80E-01	—	—	permil	—	—	19339	EF07080GR10201	EES6
R-10	6391	1042	2/21/2007	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	3.97	8.00E-02	—	—	permil	—	—	18567	EF07020GR10201	EES6
R-10	6391	1042	10/12/2006	WG	F	CS	—	Isotope	Nitrogen Ratio	Nitrogen-15/Nitrogen-14 Ratio	—	4.56	5.00E-02	—	—	permil	—	—	13006	EF06100GR10201	EES6
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.74	—	—	—	permil	—	—	09-3332	CASA-09-12927	EES6
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.55	1.40E-01	—	—	permil	—	—	08-1669	CASA-08-14376	SILENS
R-10	6391	1042	8/15/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.79	1.40E-01	—	—	permil	—	—	19408	EU07080GR10201	EES6
R-10	6391	1042	2/21/2007	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.7	1.30E-01	—	—	permil	—	—	18617	EU07020GR10201	EES6
R-10	6391	1042	10/12/2006	WG	UF	CS	—	Isotope	Oxygen Ratio	Oxygen-18/Oxygen-16 Ratio	—	-10.7	1.00E-01	—	—	permil	—	—	17831	EU06100GR10201	EES6
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.7	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.2	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.4	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.5	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.11	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.24	—	—	1.50E+00	ug/L	J	J	09-1841	CASA-09-9292	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.47	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.47	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.5	—	—	1.50E+00	ug/L	J	J	09-281	CASA-09-878	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.50E+00	ug/L	J	J	09-281	CASA-09-910	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.1	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.06	—	—	1.50E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.50E+00	ug/L	J	J	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	63.2	—	—	3.00E+01	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	71.3	—	—	3.00E+01	ug/L	J	J	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-891	CASA-09-2789	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.847	—	—	5.00E-01	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	ug/L	J	J	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.771	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	J	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.65	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.5	—	—	3.20E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	3.20E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	3.20E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.55	—	—	5.00E-02	ug/L	—	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.5	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.9	—	—	1.00E+00	ug/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	48.7	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.73	—	—	2.00E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.4	—	—	2.00E+00	ug/L	J	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.8	—	—	2.00E+00	ug/L	J	J	09-281	CASA-09-878	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.3	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	2.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	2.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	2.00E+00	ug/L	—	—	09-281	CASA-09-879	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.43	1.00E+00	2.30E+00	—	pCi/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.809	7.20E-01	2.60E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.54	6.80E-01	1.80E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.15	9.90E-01	2.30E+00	—	pCi/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.37	1.20E+00	2.50E+00	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.11	8.30E-01	2.40E+00	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10	6391	1042	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.49	1.01E+00	2.73E+00	—	pCi/L	—	J	191714	GU07080GR10201	GELC
R-10	6391	1042	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.6	1.00E+00	2.55E+00	—	pCi/L	—	J	188307	GU07060GR10201	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3707	UMTL
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.28737	2.87E-01	2.87E-01	—	pCi/L	—	—	10-18	CASA-09-12927	UMTL
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1856	CASA-09-8270	UMTL
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-919	CASA-09-2789	UMTL
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	09-277	CASA-09-879	UMTL
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-2.10738	1.06E+00	3.58E+00	—	pCi/L	U	U	08-1674	CASA-08-14376	ARSL
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.5	—	—	7.30E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.4	—	—	7.30E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.1	—	—	7.30E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.12	—	—	6.60E-02	mg/L	J	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.13	—	—	6.70E-02	mg/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.096	—	—	6.70E-02	mg/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.9	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.6	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.5	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.2	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.2	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.76	—	—	6.60E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.81	—	—	6.60E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.94	—	—	6.60E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.1	—	—	6.60E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.62	—	—	6.60E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.347	—	—	3.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.569	—	—	3.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.465	—	—	3.30E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.419	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.1	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.7	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.5	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.4	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.4	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.9	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	95.6	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.3	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.2	—	—	5.00E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.25	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.855	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.624	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.733	—	—	5.00E-02	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.725	—	—	5.00E-02	ug/L	—	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.821	—	—	5.00E-02	ug/L	—	J+	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.16	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.21	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.45	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	uS/cm	—	—	09-1846	CASA-09-8273	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	uS/cm	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	244	—	—	1.00E+00	uS/cm	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.36	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.52	—	—	1.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.89	—	—	1.00E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.2	—	—	1.00E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.117	—	—	3.30E-02	mg/L	—	J-	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-204	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.83	—	—	3.30E-01	mg/L	J	J	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.674	—	—	3.30E-01	mg/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.609	—	—	3.30E-01	mg/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.814	—	—	3.30E-01	mg/L	J	J	09-204	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	08-1668	CASA-08-14378	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.27	—	—	1.50E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.83	—	—	1.50E+00	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.49	—	—	1.50E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.26	—	—	1.50E+00	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.5	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.2	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	83.3	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.5	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.7	—	—	1.00E+01	ug/L	J	J	09-1846	CASA-09-8273	GELC

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.00E+01	ug/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.00E+01	ug/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.00E+01	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.00E+01	ug/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.2	—	—	1.00E+01	ug/L	J	J	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.17	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.22	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.3	—	—	1.50E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.50E+00	ug/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.09	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.6	—	—	1.50E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.50E+00	ug/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.18	—	—	3.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	ug/L	—	U	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	ug/L	—	U	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.7	—	—	5.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57	—	—	3.20E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.2	—	—	3.20E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	209	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	200	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	218	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	215	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	230	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	212	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.38	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.52	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.65	—	—	5.00E-02	ug/L	—	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	ug/L	—	—	09-890	CASA-09-2791	GELC



Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.44	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.58	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.67	—	—	5.00E-02	ug/L	—	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.9	—	—	5.00E-02	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.13	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.23	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.59	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.5	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.95	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.56	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.99	—	—	3.30E+00	ug/L	J	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.21	—	—	2.00E+00	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.3	—	—	2.00E+00	ug/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.5	—	—	2.00E+00	ug/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.96	—	—	3.30E+00	ug/L	J	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	2.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	2.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.6	—	—	2.00E+00	ug/L	J	J	09-205	CASA-09-880	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3710	UMTL
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10359	UMTL
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1856	CASA-09-8272	UMTL
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-919	CASA-09-2792	UMTL
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-880	UMTL
R-11	5531	855	8/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.71	5.30E-01	1.50E+00	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	8/17/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.27	7.41E-01	2.28E+00	—	pCi/L	U	U	191952	GU070800G11R01	GELC
R-11	5531	855	6/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.27	5.12E-01	1.25E+00	—	pCi/L	—	J	187921	GU070600G11R01	GELC
R-11	5531	855	2/13/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.662	3.43E-01	9.55E-01	—	pCi/L	U	U	180796	GU070200G11R20	GELC
R-11	5531	855	2/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.21	4.38E-01	1.10E+00	—	pCi/L	—	J	180796	GU070200G11R01	GELC
R-11	5531	855	10/10/2006	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.566	4.68E-01	1.63E+00	—	pCi/L	U	U	173943	GU061000G11R90	GELC
R-11	5531	855	10/10/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.599	6.30E-01	2.58E+00	—	pCi/L	U	U	173943	GU061000G11R01	GELC
R-11	5531	855	11/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.73723	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3714	UMTL
R-11	5531	855	8/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.36424	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10366	UMTL
R-11	5531	855	4/29/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.23652	2.87E-01	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8274	UMTL
R-11	5531	855	2/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.52389	2.87E-01	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-2783	UMTL
R-11	5531	855	11/5/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.69371	2.87E-01	2.87E-01	—	pCi/L	—	—	09-265	CASA-09-882	UMTL
R-12	8401	459	5/7/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.878	3.80E-01	1.10E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	7/11/2006	WG	F	CS	SS	Rad	EPA:900	Gross alpha	<	1.02	6.95E-01	2.87E+00	—	pCi/L	U	U	167051	GF06050G12R101	GELC
R-12	8401	459	6/16/2005	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	1.17	3.81E-01	1.16E+00	—	pCi/L	—	J	138905	GF0506G12R101	GELC
R-12	8401	459	9/18/2000	WG	F	CS	—	Rad	Gross Alpha	Gross alpha	<	0.921	1.10E+00	1.80E+00	—	pCi/L	—	U	7598R	CASA-00-0025	STSL
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.73	1.10E+00	2.40E+00	—	pCi/L	—	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.522	7.00E-01	2.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.816	5.60E-01	1.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	7/11/2006	WG	UF	CS	SS	Rad	EPA:900	Gross alpha	<	1.52	6.96E-01	2.35E+00	—	pCi/L	U	U	167051	GU06050G12R101	GELC



Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	6/16/2005	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.627	3.24E-01	1.20E+00	—	pCi/L	U	U	138905	GU0506G12R101	GELC
R-12	8401	459	6/2/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0733	2.87E-01	1.40E+00	—	pCi/L	U	U	114323	GU0405G12R101	GELC
R-12	8401	459	2/2/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.523	4.05E-01	1.56E+00	—	pCi/L	U	U	106416	GU0311G12R101	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	75.9934	2.55E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3822	UMTL
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.7583	2.55E+00	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10380	UMTL
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.7162	2.55E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8276	UMTL
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.1197	2.55E+00	2.87E-01	—	pCi/L	—	—	09-1040	CASA-09-3011	UMTL
R-12	8401	459	11/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	77.5899	2.55E+00	2.87E-01	—	pCi/L	—	—	09-276	CASA-09-874	UMTL
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.735	2.60E-01	7.30E-01	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	7/12/2006	WG	F	CS	SS	Rad	EPA:900	Gross alpha	<	0.324	3.37E-01	1.51E+00	—	pCi/L	U	U, J-	167125	GF06050G12R201	GELC
R-12	8411	504.5	9/19/2000	WG	F	CS	—	Rad	Gross Alpha	Gross alpha	<	0.5	5.50E-01	2.00E+00	—	pCi/L	U	U	7612R	CASA-00-0027	ATICO
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.989	7.60E-01	2.60E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.435	6.20E-01	2.50E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0541	3.40E-01	1.20E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	7/12/2006	WG	UF	CS	SS	Rad	EPA:900	Gross alpha	<	1.07	5.29E-01	2.13E+00	—	pCi/L	U	U, J-	167125	GU06050G12R201	GELC
R-12	8411	504.5	1/28/2004	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.473	3.41E-01	1.29E+00	—	pCi/L	U	U	106416	GU0311G12R201	GELC
R-12	8411	504.5	8/1/2002	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.614	2.48E-01	7.41E-01	—	pCi/L	U	U	64768	GU0207G12R201	GELC
R-12	8411	504.5	9/10/2001	WG	UF	CS	—	Rad	Gross Alpha	Gross alpha	—	0.71	2.20E-01	6.76E-01	—	pCi/L	J	—	9752R	GW12-01-0017	STSL
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.281	1.92E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3825	UMTL
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	52.0459	1.60E+00	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10383	UMTL
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	50.1301	1.60E+00	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8279	UMTL
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	55.5582	1.92E+00	2.87E-01	—	pCi/L	—	—	09-868	CASA-09-3010	UMTL
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.11686	1.82E+01	6.86E+00	—	pCi/L	—	—	09-869	CASA-09-9290	ARSL
R-12	8411	504.5	11/13/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	—	54.281	1.92E+00	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-869	UMTL
R-12	8411	504.5	11/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.281	1.92E+00	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-865	UMTL
R-35a	8331	1013.1	4/28/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.821	4.00E-01	1.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	8/30/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.213	7.31E-01	2.95E+00	—	pCi/L	U	U, J-	192875	GF07080GR35a01	GELC
R-35a	8331	1013.1	11/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.418	5.70E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	8/3/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.41	7.60E-01	2.10E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	4/28/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.186	4.10E-01	1.60E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	8/30/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	8.95E-01	2.50E+00	—	pCi/L	U	U, J-	192875	GU07080GR35a01	GELC
R-35a	8331	1013.1	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3827	UMTL
R-35a	8331	1013.1	8/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10387	UMTL
R-35a	8331	1013.1	4/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8305	UMTL
R-35a	8331	1013.1	2/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-861	CASA-09-3015	UMTL
R-35a	8331	1013.1	11/6/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-885	UMTL
R-35b	8351	825.4	4/27/2009	WG	F	CS	FD	Rad	EPA:900	Gross alpha	<	0.38	3.40E-01	1.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8425	GELC
R-35b	8351	825.4	4/27/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.738	5.90E-01	2.00E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	8/29/2007	WG	F	CS	FD	Rad	EPA:900	Gross alpha	<	0.487	5.45E-01	2.08E+00	—	pCi/L	U	J-, U	192875	GF07080GR35b20	GELC
R-35b	8351	825.4	8/29/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.38	6.80E-01	1.91E+00	—	pCi/L	U	U, J-	192875	GF07080GR35b01	GELC
R-35b	8351	825.4	11/3/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.146	6.20E-01	2.70E+00	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	8/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.44	7.10E-01	2.80E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	4/27/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.539	3.50E-01	1.10E+00	—	pCi/L	U	U	09-1625	CASA-09-8424	GELC
R-35b	8351	825.4	4/27/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.213	3.10E-01	1.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	8/29/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.88	9.36E-01	2.84E+00	—	pCi/L	U	U, J-	192875	GU07080GR35b20	GELC
R-35b	8351	825.4	8/29/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.337	3.45E-01	2.09E+00	—	pCi/L	U	J-, U	192875	GU07080GR35b01	GELC
R-35b	8351	825.4	11/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-336	CASA-10-3830	UMTL
R-35b	8351	825.4	8/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10392	UMTL
R-35b	8351	825.4	4/27/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8424	UMTL
R-35b	8351	825.4	4/27/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8309	UMTL
R-35b	8351	825.4	2/2/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-805	CASA-09-3021	UMTL

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	2/2/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-805	CASA-09-3019	UMTL
R-35b	8351	825.4	11/6/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-889	UMTL
R-35b	8351	825.4	11/6/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-887	UMTL
R-36	8431	766.9	4/28/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.539	4.40E-01	1.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	11/4/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.542	4.20E-01	1.40E+00	—	pCi/L	U	U	10-376	CASA-10-3854	GELC
R-36	8431	766.9	11/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.2	5.90E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	8/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.151	7.10E-01	2.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	8/5/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.12	7.70E-01	2.50E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	4/28/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.585	3.70E-01	1.20E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	11/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	19.63695	6.39E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3854	UMTL
R-36	8431	766.9	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.17976	6.71E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3834	UMTL
R-36	8431	766.9	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.96642	6.39E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10376	UMTL
R-36	8431	766.9	8/5/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	20.14783	6.71E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10373	UMTL
R-36	8431	766.9	4/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.05204	6.71E-01	2.87E-01	—	pCi/L	—	—	09-1645	CASA-09-8311	UMTL
R-36	8431	766.9	2/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	19.92432	6.71E-01	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-3025	UMTL
R-36	8431	766.9	11/6/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.69064	6.71E-01	2.87E-01	—	pCi/L	—	—	09-265	CASA-09-893	UMTL
R-43	8651	903.9	6/19/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0419	4.60E-01	2.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0498	5.60E-01	2.50E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	8/18/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.128	4.00E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	6/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.117	3.30E-01	1.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.40492	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3858	UMTL
R-43	8651	903.9	8/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10397	UMTL
R-43	8651	903.9	6/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10501	UMTL
R-43	8651	903.9	11/5/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-266	CASA-09-1018	UMTL
R-43	8661	969.1	6/18/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.534	3.70E-01	1.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/19/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.672	7.80E-01	2.90E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	8/18/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.584	4.80E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	6/18/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.92	6.10E-01	2.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-661	CASA-10-3861	UMTL
R-43	8661	969.1	8/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10402	UMTL
R-43	8661	969.1	6/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10508	UMTL
R-43	8661	969.1	11/10/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-266	CASA-09-1028	UMTL
SCA-1-DP	8751	2.16	4/29/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.631	4.70E-01	1.60E+00	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	8/3/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.626	7.30E-01	2.50E+00	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	4/29/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.791	7.20E-01	2.50E+00	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-2	7991	10.3	8/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.55	1.40E+00	3.00E+00	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	2/13/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.692	3.58E-01	1.94E+00	—	pCi/L	U	U	180695	GU07020G2ACS20	GELC
SCA-2	7991	10.3	2/13/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.89	5.19E-01	2.50E+00	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-4	8011	37	8/5/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.175	7.70E-01	3.00E+00	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	6/18/2007	WG	UF	CS	FB	Rad	EPA:900	Gross alpha	<	0.0329	2.23E-01	8.64E-01	—	pCi/L	U	U	188200	GU07060G4ACS01-FE	GELC
SCI-1	8211	358.4	8/3/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.89	1.40E+00	3.10E+00	—	pCi/L	—	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	8/22/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5	1.33E+00	2.66E+00	—	pCi/L	—	J	192311	GU070800SCI101	GELC
SCI-1	8211	358.4	6/15/2007	WG	UF	CS	EQB	Rad	EPA:900	Gross alpha	<	0.221	2.41E-01	8.78E-01	—	pCi/L	U	U	188134	GU070600SCI101-EQB	GELC
SCI-1	8211	358.4	6/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.698	6.62E-01	1.31E+00	—	pCi/L	U	U	188134	GU070600SCI101	GELC
SCI-1	8211	358.4	4/11/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.58	1.58E+00	3.26E+00	—	pCi/L	—	J	184161	GU070400SCI101	GELC
SCI-1	8211	358.4	1/11/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.15	6.83E-01	2.12E+00	—	pCi/L	U	U	179348	GU070100SCI101	GELC
SCI-1	8211	358.4	11/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	97.7058	3.19E+00	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3665	UMTL
SCI-1	8211	358.4	8/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	87.8075	2.87E+00	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10350	UMTL
SCI-1	8211	358.4	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	93.8742	3.19E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8266	UMTL
SCI-1	8211	358.4	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	101.2181	3.19E+00	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2779	UMTL
SCI-1	8211	358.4	11/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	105.0497	3.51E+00	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-873	UMTL

Table C-2 Sandia Previously Unreported Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	5/6/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.83	7.10E-01	2.10E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	11/17/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.97	9.00E-01	2.50E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	8/4/2009	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.38	1.00E+00	2.50E+00	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	8/4/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.57	9.40E-01	2.90E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	5/6/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	5.70E-01	1.50E+00	—	pCi/L	—	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	11/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.915	1.60E+01	2.87E-01	—	pCi/L	—	—	10-582	CASA-10-3716	UMTL
SCI-2	8601	548	8/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	472.564	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10371	UMTL
SCI-2	8601	548	8/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	485.336	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10367	UMTL
SCI-2	8601	548	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.915	1.60E+01	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8313	UMTL
SCI-2	8601	548	2/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	498.108	1.60E+01	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2992	UMTL
SCI-2	8601	548	2/13/2009	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	374.754	6.11E+01	1.81E+02	—	pCi/L	—	—	09-932	CASA-09-2992	ARSL
SCI-2	8601	548	11/18/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	510.88	1.60E+01	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-959	UMTL
Sandia below Wetlands	—	—	8/7/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.04	7.70E-01	2.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	14	3.02E+00	6.44E+00	—	pCi/L	—	J	202111	GU080100M12301	GELC
Sandia below Wetlands	—	—	8/22/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.765	5.84E-01	2.00E+00	—	pCi/L	U	U	192216	GU070800P12301	GELC
Sandia below Wetlands	—	—	6/13/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.61	7.35E-01	2.09E+00	—	pCi/L	U	U	187921	GU070600P12301	GELC
Sandia below Wetlands	—	—	2/20/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.08	7.42E-01	2.47E+00	—	pCi/L	U	J-, U	181199	GU070200P12301	GELC
Sandia right fork at Power Plant	—	—	8/7/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.39	6.20E-01	2.80E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	1/28/2008	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.32	1.27E+00	2.41E+00	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	5/17/2006	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.752	7.54E-01	2.87E+00	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	6/9/2005	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0478	5.93E-01	2.06E+00	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	6/7/2004	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.693	6.03E-01	2.27E+00	—	pCi/L	U	U	114589	GU04060W12101	GELC
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.556	3.30E-01	1.10E+00	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.961	4.60E-01	2.90E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	8/21/2007	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.619	3.35E-01	1.07E+00	—	pCi/L	U	U	192146	GU070800PSFS20	GELC
South Fork of Sandia Canyon at E122	—	—	8/21/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.919	5.92E-01	1.93E+00	—	pCi/L	U	U	192146	GU070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	6/13/2007	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	—	12.4	2.26E+00	2.90E+00	—	pCi/L	—	—	187921	GU070600PSFS20	GELC
South Fork of Sandia Canyon at E122	—	—	6/13/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.983	8.05E-01	2.82E+00	—	pCi/L	U	U	187921	GU070600PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	2/21/2007	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.827	6.04E-01	1.96E+00	—	pCi/L	U	J-, U	181199	GU070200PSFS20	GELC
South Fork of Sandia Canyon at E122	—	—	2/21/2007	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.09	6.80E-01	1.97E+00	—	pCi/L	U	J-, U	181199	GU070200PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	10/17/2006	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.71	1.13E+00	2.89E+00	—	pCi/L	U	J-, U	174497	GU061000PSFS01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.000319	—	—	3.19E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00008	—	—	8.00E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000691	—	—	6.91E-06	ug/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000134	—	—	1.34E-05	ug/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000687	—	—	—	ug/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000617	—	—	6.17E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000166	—	—	1.66E-04	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000126	—	—	1.26E-05	ug/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000194	—	—	1.94E-05	ug/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000687	—	—	—	ug/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.000103	—	—	1.03E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000271	—	—	2.71E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.00000176	—	—	1.76E-06	ug/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000515	—	—	5.15E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000232	—	—	—	ug/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	—	0.0000101	—	—	1.01E-05	ug/L	J	J	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000274	—	—	2.74E-06	ug/L	U	U	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.000000934	—	—	9.34E-07	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000176	—	—	1.76E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000259	—	—	—	ug/L	U	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.000387	—	—	3.87E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000947	—	—	9.47E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000448	—	—	4.48E-06	ug/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000506	—	—	5.06E-06	ug/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000944	—	—	—	ug/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.0000748	—	—	7.48E-05	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.0000251	—	—	2.51E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000382	—	—	3.82E-06	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000724	—	—	7.24E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.00000174	—	—	—	ug/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofuran[1,2,3,6,7,8-]	—	0.00000285	—	—	2.85E-06	ug/L	J	J	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofuran[1,2,3,6,7,8-]	<	0.00000134	—	—	1.34E-06	ug/L	U	U	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofuran[1,2,3,6,7,8-]	<	0.000000732	—	—	7.32E-07	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofuran[1,2,3,6,7,8-]	<	0.00000117	—	—	1.17E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofuran[1,2,3,6,7,8-]	<	0.00000259	—	—	—	ug/L	U	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000742	—	—	7.42E-05	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.000025	—	—	2.50E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000162	—	—	1.62E-06	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000283	—	—	2.83E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000201	—	—	—	ug/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00274	—	—	2.74E-03	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000738	—	—	7.38E-04	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000249	—	—	2.49E-05	ug/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000142	—	—	1.42E-05	ug/L	U	R	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000358	—	—	—	ug/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.000319	—	—	3.19E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000983	—	—	9.83E-05	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000252	—	—	2.52E-06	ug/L	—	—	08-680	CAMO-08-10862	ALTC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.0000162	—	—	1.62E-05	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000564	—	—	—	ug/L	—	U, R	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	—	0.00000791	—	—	7.91E-06	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	—	0.00000269	—	—	2.69E-06	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000551	—	—	5.51E-06	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000178	—	—	1.78E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000259	—	—	—	ug/L	U	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000775	—	—	7.75E-06	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000251	—	—	2.51E-06	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000189	—	—	1.89E-06	ug/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000127	—	—	1.27E-06	ug/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000237	—	—	—	ug/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.9	—	—	7.30E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.9	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	29.8	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.8	—	—	7.30E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.4	—	—	7.30E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52	—	—	3.30E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	71.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	152	—	—	1.30E+00	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	141	—	—	6.60E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	136	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	3.30E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.383	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.201	—	—	3.30E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.254	—	—	3.30E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.4	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.4	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.3	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.6	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.1	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.8	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.4	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.12	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.14	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.46	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.76	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.3	—	—	5.00E-02	mg/L	E	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.63	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.53	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.36	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	E	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.88	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	49.1	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	104	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	101	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	85.7	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.5	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	100	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.6	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	296	—	—	1.00E+00	uS/cm	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	440	—	—	1.00E+00	uS/cm	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	619	—	—	1.00E+00	uS/cm	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	647	—	—	1.00E+00	uS/cm	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.9	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.4	—	—	1.00E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.4	—	—	1.00E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.94	—	—	1.00E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	184	—	—	5.20E+00	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8.8	—	—	2.30E+00	mg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.30E+00	mg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	7.6	—	—	2.30E+00	mg/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	373	—	—	2.40E+00	mg/L	—	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	366	—	—	2.40E+00	mg/L	—	—	09-317	CAMO-09-714	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	406	—	—	2.40E+00	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.548	—	—	3.30E-02	mg/L	—	J+	10-1590	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	2.08	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.199	—	—	2.90E-02	mg/L	—	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.332	—	—	2.90E-02	mg/L	—	J+	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	13.7	—	—	6.60E-01	mg/L	—	—	10-1590	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.1	—	—	1.70E+00	mg/L	—	—	09-2923	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.93	—	—	3.30E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.8	—	—	3.30E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	17.2	—	—	3.30E-01	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.43	—	—	1.00E-02	SU	H	J-	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.35	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.13	—	—	1.00E-02	SU	H	J-	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.38	—	—	1.00E-02	SU	H	J-	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.65	—	—	1.00E-02	SU	H	J-	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	14000	—	—	6.80E+01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	138	—	—	6.80E+01	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	588	—	—	6.80E+01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1050	—	—	6.80E+01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	2700	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	68700	—	—	6.80E+01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	23200	—	—	6.80E+01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	4320	—	—	6.80E+01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	131	—	—	6.80E+01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	6750	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	0.57	—	—	5.00E-01	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.51	—	—	5.00E-01	ug/L	J	U	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.05	—	—	5.00E-01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.37	—	—	1.50E+00	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.71	—	—	1.50E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	15	—	—	1.50E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	10.2	—	—	1.50E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	163	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	162	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	273	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	174	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	151	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	155	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	177	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	3.35	—	—	1.00E+00	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.44	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	34.5	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	29	—	—	1.00E+01	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.00E+01	ug/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.6	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.7	—	—	1.00E+01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.9	—	—	1.00E+01	ug/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.171	—	—	1.10E-01	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.727	—	—	1.10E-01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.139	—	—	1.10E-01	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.11	—	—	1.10E-01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	146	—	—	2.50E+00	ug/L	E	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	24.5	—	—	2.50E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	75.4	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	1.50E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	36	—	—	1.50E+00	ug/L	—	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	452	—	—	2.50E+00	ug/L	E	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	119	—	—	2.50E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	70.3	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.6	—	—	1.50E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	48.9	—	—	1.50E+00	ug/L	—	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.93	—	—	1.00E+00	ug/L	J	J	10-1591	CAMO-10-9109	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.65	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.6	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.1	—	—	1.00E+00	ug/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	6.06	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.81	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.8	—	—	1.00E+00	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	5.7	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.7	—	—	1.00E+00	ug/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	13.5	—	—	3.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.9	—	—	3.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.4	—	—	3.00E+00	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.9	—	—	3.00E+00	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	49.6	—	—	3.00E+00	ug/L	—	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	52.3	—	—	3.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	46.7	—	—	3.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.1	—	—	3.00E+00	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.8	—	—	3.00E+00	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	84.6	—	—	3.00E+00	ug/L	—	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	7410	—	—	3.00E+01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	469	—	—	3.00E+01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	344	—	—	2.50E+01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1980	—	—	2.50E+01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1400	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	36600	—	—	3.00E+01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	13800	—	—	3.00E+01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	2860	—	—	2.50E+01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	465	—	—	2.50E+01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	3500	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	5.67	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	1.7	—	—	5.00E-01	ug/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	28.8	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	8.68	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.3	—	—	5.00E-01	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	4.1	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	146	—	—	2.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	219	—	—	2.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	50.2	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	741	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	399	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	320	—	—	2.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	299	—	—	2.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	161	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	708	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	436	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	23.9	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	42.1	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.4	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	22.5	—	—	1.00E-01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	25.4	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	40.8	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.3	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.4	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	24.6	—	—	1.00E-01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.4	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.92	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.91	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	4	—	—	5.00E-01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	8.1	—	—	5.00E-01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.5	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	19.5	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.8	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.2	—	—	5.00E-01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.6	—	—	5.00E-01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.2	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.4	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	27.3	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.3	—	—	3.20E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.8	—	—	3.20E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Silver	—	0.23	—	—	2.00E-01	ug/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.361	—	—	2.00E-01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.262	—	—	2.00E-01	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.5	—	—	2.00E-01	ug/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.6	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.9	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.4	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	97.3	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-317	CAMO-09-714	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.634	—	—	3.00E-01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.785	—	—	3.00E-01	ug/L	J	U	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.56	—	—	3.00E-01	ug/L	J	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.619	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.243	—	—	5.00E-02	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.099	—	—	5.00E-02	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.44	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.83	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.94	—	—	5.00E-02	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.63	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.4	—	—	1.00E+00	ug/L	J	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	67.2	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	24.6	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	ug/L	J	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.5	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.6	—	—	3.30E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.61	—	—	3.30E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.5	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	161	—	—	3.30E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.9	—	—	3.30E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.9	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	37.8	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00781	5.00E-03	4.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00517	3.10E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0135	4.87E-03	3.65E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0142	2.33E-03	3.40E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00764	1.50E-03	4.80E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	2.57E-03	3.10E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0134	2.97E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00668	4.63E-03	3.51E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.21	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.13	4.67E-01	4.90E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.892	3.57E-01	3.79E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0732	4.00E-01	4.00E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.299	5.33E-01	4.80E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.948	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.58	4.00E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.114	3.43E-01	3.61E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.624	7.00E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.733	4.33E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.156	4.57E-01	5.21E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.825	4.67E-01	4.80E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.34	5.67E-01	5.20E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.32	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.46	4.00E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.11	3.77E-01	4.70E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.651	1.13E-01	1.18E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.968	1.59E-01	1.64E+00	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	23.2	1.30E+00	2.80E+00	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	8.53	5.33E-01	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.913	1.29E-01	1.31E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.807	2.02E-01	2.39E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	23.2	1.30E+00	2.80E+00	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	8.53	5.33E-01	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	5.5	2.69E-01	2.65E+00	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	3.47	1.68E-01	1.58E+00	—	pCi/L	—	J	135037	GF0504PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	19.5	7.67E-01	2.50E+00	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	14.9	7.00E-01	3.60E+00	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	5	2.56E-01	2.47E+00	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	3.15	1.39E-01	1.18E+00	—	pCi/L	—	J	135037	GU0504PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11	4.00E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.9	3.13E+01	2.10E+02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.5	2.49E+01	2.45E+02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	40.7	4.33E+00	2.40E+01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	36.5	6.00E+00	6.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.7	9.33E+00	1.70E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	77.6	2.70E+01	2.80E+02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	115	3.12E+01	3.74E+02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.3	2.17E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7	3.67E+00	3.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.81	2.46E+00	1.96E+01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0493	3.13E+00	3.10E+01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.9	4.00E+00	3.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-26.7	4.00E+00	3.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.2	2.63E+00	2.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.1	2.53E+00	2.46E+01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00213	7.00E-04	3.00E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00586	3.13E-03	3.80E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0089	2.97E-03	3.70E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00844	1.40E-03	3.60E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	4.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	4.48E-10	1.77E-03	2.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00361	2.27E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00763	3.50E-03	5.28E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0127	2.83E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00977	2.70E-03	4.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00178	2.14E-03	3.12E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0464	3.33E-03	2.40E-02	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0146	2.00E-03	4.60E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	2.27E-03	3.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0145	1.93E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00254	2.54E-03	4.46E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-28.6	6.00E+00	5.60E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.2	6.33E+00	4.20E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	21.2	4.43E+00	5.46E+01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.24	4.67E+00	4.60E+01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.3	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.16	5.33E+00	5.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	6.00E+00	5.60E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	5.23E+00	3.64E+01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.644	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.17	4.00E-01	3.40E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.37E-01	5.03E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.89	4.67E-01	4.30E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.18	5.33E-01	5.70E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.871	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.467	3.67E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.562	2.47E-01	3.11E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.271	5.00E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.892	5.67E-02	4.10E-01	—	pCi/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0354	1.34E-02	1.90E-01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.115	4.33E-02	4.40E-01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.22	4.00E-02	3.80E-01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.179	4.67E-02	4.70E-01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.568	4.67E-02	4.00E-01	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0797	1.52E-02	1.81E-01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.16	7.33E-03	7.10E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0235	5.00E-03	7.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.141	8.00E-03	9.32E-02	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.97	3.67E-02	1.60E-01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.343	1.43E-02	1.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.318	1.03E-02	6.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0602	4.67E-03	7.40E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.195	8.50E-03	8.48E-02	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.018	2.87E-03	3.80E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00726	1.40E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.034	3.80E-03	7.02E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0474	6.67E-03	9.20E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	3.07E-03	6.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	2.30E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	2.70E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0309	3.47E-03	6.38E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.154	7.00E-03	3.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0215	2.73E-03	4.10E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.83E-03	6.60E-02	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.873	3.33E-02	1.00E-01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.385	1.53E-02	6.00E-02	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.10E-02	3.50E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.056	4.00E-03	4.30E-02	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.161	7.40E-03	6.00E-02	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.1	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.2	—	—	7.30E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.6	—	—	7.30E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.113	—	—	1.60E-02	mg/L	—	J-	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.143	—	—	1.60E-02	mg/L	—	J-	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0216	—	—	1.60E-02	mg/L	J	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	1.27	—	—	6.60E-01	mg/L	J	J	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.793	—	—	6.60E-01	mg/L	J	J	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.095	—	—	6.70E-02	mg/L	J	J	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.068	—	—	6.70E-02	mg/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	271	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	269	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.9	—	—	3.00E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.28	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.82	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	261	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	277	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.6	—	—	3.00E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.24	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.14	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2750	—	—	6.60E+01	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3300	—	—	6.60E+01	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	17.7	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	442	—	—	3.30E+00	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	76.7	—	—	6.60E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0134	—	—	1.70E-03	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0143	—	—	1.70E-03	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00276	—	—	1.50E-03	mg/L	J	J	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0016	—	—	1.50E-03	mg/L	J	J	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	06/14/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0038	—	—	1.50E-03	mg/L	J	JN-	188029	GU070500G2CM01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	8.48	—	—	3.30E-01	mg/L	—	J-	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	8.75	—	—	3.30E-01	mg/L	—	J-	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.56	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.282	—	—	3.30E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.424	—	—	3.30E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	938	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	925	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.6	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	28.3	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	24.6	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	905	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	956	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.4	—	—	3.50E-01	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.3	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.5	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	63.3	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	61.4	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.97	—	—	8.50E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.86	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.83	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	61.5	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	64.2	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.11	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.34	—	—	8.50E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.93	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.93	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	1.00E-02	mg/L	U	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.247	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.184	—	—	5.00E-02	ug/L	J	J	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	UJ	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	<	0.2	—	—	5.00E-02	ug/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	208	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	206	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	40	—	—	5.00E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.4	—	—	5.00E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	21.9	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	215	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	215	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.9	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	40.7	—	—	5.00E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.6	—	—	5.00E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	27.2	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	1690	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	1640	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	37.5	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	273	—	—	4.50E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	79.8	—	—	4.50E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	1750	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	1700	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	38.2	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	282	—	—	4.50E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	79.6	—	—	4.50E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	116	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	10400	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	10400	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	283	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1690	—	—	1.00E+00	uS/cm	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	533	—	—	1.00E+00	uS/cm	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	145	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	148	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.18	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.2	—	—	1.00E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	34.2	—	—	1.00E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	6060	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	6180	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	205	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	927	—	—	2.40E+00	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	346	—	—	2.40E+00	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	3.84	—	—	3.30E-02	mg/L	—	J-	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	4.6	—	—	3.30E-02	mg/L	—	J-	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.293	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.629	—	—	2.90E-02	mg/L	—	J-	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.874	—	—	2.90E-02	mg/L	—	J+	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	138	—	—	6.60E+00	mg/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	134	—	—	3.30E+00	mg/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.16	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.53	—	—	3.30E-01	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	15.2	—	—	1.70E+00	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.5	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	5.2	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	5.2	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.64	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.15	—	—	1.00E-02	SU	H	J-	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.39	—	—	1.00E-02	SU	H	J-	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	213	—	—	6.80E+01	ug/L	—	—	09-2857	CAMO-09-9493	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	3570	—	—	6.80E+01	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1900	—	—	6.80E+01	ug/L	N	J+	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	6440	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	107	—	—	6.80E+01	ug/L	J	J	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	118	—	—	6.80E+01	ug/L	J	J	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	5080	—	—	6.80E+01	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	5680	—	—	6.80E+01	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	12900	—	—	6.80E+01	ug/L	N	J+	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	33000	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	2360	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	2350	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	74.7	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	285	—	—	1.00E+00	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	98.8	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	90.9	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	2330	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	2350	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	89.1	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	300	—	—	1.00E+00	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	140	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	188	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	79.9	—	—	1.50E+01	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	81.7	—	—	1.50E+01	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11.8	—	—	1.00E+01	ug/L	J	J	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.00E+01	ug/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.1	—	—	1.00E+01	ug/L	J	J	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	79.7	—	—	1.50E+01	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	79.5	—	—	1.50E+01	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.00E+01	ug/L	J	J	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.00E+01	ug/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.3	—	—	1.00E+01	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.1	—	—	2.50E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.1	—	—	1.50E+00	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	1.50E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	44.2	—	—	1.50E+00	ug/L	—	J	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.73	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	35.1	—	—	2.50E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.2	—	—	1.50E+00	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	50.2	—	—	1.50E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	117	—	—	1.50E+00	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Cobalt	—	3.18	—	—	1.00E+00	ug/L	J	J	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.88	—	—	1.00E+00	ug/L	J	J	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.53	—	—	1.00E+00	ug/L	J	J	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5	—	—	1.00E+00	ug/L	J	J	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2	—	—	1.00E+00	ug/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.8	—	—	1.00E+00	ug/L	J	J	08-1672	CAMO-08-14459	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Cobalt	—	2.43	—	—	1.00E+00	ug/L	J	J	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.67	—	—	1.00E+00	ug/L	J	J	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.6	—	—	1.00E+00	ug/L	J	J	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	4.8	—	—	1.00E+00	ug/L	J	J	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.1	—	—	1.00E+00	ug/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	4.5	—	—	1.00E+00	ug/L	J	J	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	33.9	—	—	3.00E+00	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	33.7	—	—	3.00E+00	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.7	—	—	3.00E+00	ug/L	J	J	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	12.8	—	—	3.00E+00	ug/L	—	U	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	35.3	—	—	3.00E+00	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	36	—	—	3.00E+00	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.22	—	—	3.00E+00	ug/L	J	J	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.5	—	—	3.00E+00	ug/L	J	J	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.7	—	—	3.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	40.7	—	—	3.00E+00	ug/L	—	J	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	505	—	—	3.00E+01	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	475	—	—	3.00E+01	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1130	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	3450	—	—	2.50E+01	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1230	—	—	2.50E+01	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	3680	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	537	—	—	3.00E+01	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	520	—	—	3.00E+01	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3900	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	4920	—	—	2.50E+01	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	7930	—	—	2.50E+01	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	19300	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	463	—	—	2.00E+00	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	461	—	—	2.00E+00	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	506	—	—	2.00E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	458	—	—	2.00E+00	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	269	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	224	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	391	—	—	2.00E+00	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	398	—	—	2.00E+00	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	508	—	—	2.00E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	482	—	—	2.00E+00	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	340	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	359	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	24.5	—	—	1.00E-01	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	25.7	—	—	1.00E-01	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	163	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	82.2	—	—	1.00E-01	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	163	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	333	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14459	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	27.5	—	—	1.00E-01	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	27.6	—	—	1.00E-01	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	155	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	85.3	—	—	1.00E-01	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	160	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	350	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	19.4	—	—	5.00E-01	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.88	—	—	5.00E-01	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.9	—	—	5.00E-01	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.9	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.6	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	19.1	—	—	5.00E-01	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	5.00E-01	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.5	—	—	5.00E-01	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.4	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	15.1	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	25.7	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	25.7	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.7	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.1	—	—	3.20E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.5	—	—	3.20E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	1630	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	1610	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.3	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00E+00	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.2	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	39.7	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	1590	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	1650	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.6	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.3	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9277	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.28	—	—	5.00E-02	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.624	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.613	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.839	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.43	—	—	5.00E-02	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.1	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	29.8	—	—	3.30E+00	ug/L	—	—	10-1496	CAMO-10-9277	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.8	—	—	3.30E+00	ug/L	—	—	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.8	—	—	3.30E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	88.9	—	—	2.00E+00	ug/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.9	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	239	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	33.4	—	—	3.30E+00	ug/L	—	—	10-1497	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.9	—	—	3.30E+00	ug/L	—	—	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.2	—	—	3.30E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	68.9	—	—	2.00E+00	ug/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	65.2	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	197	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	32.7	—	—	3.50E+00	ug/L	—	J	10-1495	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	21.2	—	—	3.50E+00	ug/L	—	J	10-1495	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	U	09-2856	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.30E+00	ug/L	U	UJ	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	2.79	—	—	1.30E+00	ug/L	J	J	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FD	Voa	SW-846:8260B	Butanone[2-]	—	6.08	—	—	1.30E+00	ug/L	—	—	10-1495	CAMO-10-9278	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	3.37	—	—	1.30E+00	ug/L	J	J	10-1495	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	ug/L	U	U	09-2856	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	ug/L	U	UJ	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	ug/L	U	UJ	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	0.3	—	—	2.50E-01	ug/L	J	J	10-1495	CAMO-10-9279	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2856	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	08-599	CAMO-08-10494	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.2	—	—	7.30E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.1	—	—	7.30E-01	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	6.60E-02	mg/L	J	J	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.7	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.1	—	—	5.50E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Calcium	—	33.9	—	—	5.50E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.54E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	3.75E-02	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.8	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.3	—	—	5.50E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Calcium	—	34.6	—	—	5.50E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.54E-03	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23.2	—	—	1.30E-01	mg/L	—	J+	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.4	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.4	—	—	3.30E-02	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.469	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	111	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	96.5	—	—	5.54E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	59.1	—	—	5.54E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	72.4	—	—	1.12E-01	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	111	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	97	—	—	5.54E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.7	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.89	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	5.20E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	2.7	—	—	5.20E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.61	—	—	5.18E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.88	—	—	4.49E-03	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.68	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.13	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.75	—	—	5.20E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	2.8	—	—	5.20E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	1.71	—	—	5.18E-03	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.67	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.74	—	—	5.00E-02	mg/L	—	J	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.51	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.977	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.808	—	—	5.00E-02	ug/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.421	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.794	—	—	5.00E-02	ug/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.63	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.06	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.94	—	—	1.65E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Potassium	—	6.84	—	—	1.65E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.78	—	—	1.65E-02	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.65	—	—	7.07E-03	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.83	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.36	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.98	—	—	1.65E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Potassium	—	6.97	—	—	1.65E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Potassium	—	5.83	—	—	1.65E-02	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	74.7	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	62.9	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.7	—	—	1.44E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Sodium	—	59.9	—	—	1.44E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.2	—	—	1.44E-02	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	89.5	—	—	8.13E-03	mg/L	—	—	59743	GF02051G3CM	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	66.7	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57.2	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.1	—	—	1.44E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Sodium	—	61.2	—	—	1.44E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Sodium	—	68.1	—	—	1.44E-02	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	284	—	—	1.00E+00	uS/cm	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	361	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	648	—	—	1.00E+00	uS/cm	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.42	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.09	—	—	1.00E-01	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.75	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.3	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	369	—	—	2.40E+00	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1290	—	—	2.40E+00	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	11/05/09	WG	F	RE	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	296	—	—	2.40E+00	mg/L	H	J	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	387	—	—	2.40E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.27	—	—	3.30E-01	mg/L	—	—	10-1590	CAMO-10-9308	GELC
MCO-3	4561	2	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.09	—	—	6.60E-01	mg/L	—	—	10-377	CAMO-10-3089	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.12	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	04/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.12	—	—	3.30E-01	mg/L	—	—	09-1676	CAMO-09-8408	GELC
MCO-3	4561	2	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-883	CAMO-09-4069	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.24	—	—	1.00E-02	SU	H	J	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.45	—	—	1.00E-02	SU	H	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.43	—	—	1.00E-02	SU	H	J	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	931	—	—	6.80E+01	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	283	—	—	1.47E+01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Aluminum	—	280	—	—	1.47E+01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	951	—	—	1.47E+01	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	75.5	—	—	6.80E+01	ug/L	J	J	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	12500	—	—	6.80E+01	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	519	—	—	1.47E+01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Aluminum	—	524	—	—	1.47E+01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1530	—	—	1.47E+01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Aluminum	—	1870	—	—	1.47E+01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1570	—	—	3.43E+01	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.4	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30	—	—	2.20E-01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	2.20E-01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.8	—	—	2.22E-01	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.7	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	2.20E-01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Barium	—	30.7	—	—	2.20E-01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.7	—	—	2.22E-01	ug/L	—	—	83839	GU03060G3CM02	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	2.22E-01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	2.06E-01	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.2	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57	—	—	1.50E+01	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57.7	—	—	4.90E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Boron	—	56.4	—	—	4.90E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	79.7	—	—	4.88E+00	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	61.6	—	—	1.50E+01	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	60.8	—	—	4.90E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Boron	—	55.7	—	—	4.90E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	71	—	—	4.88E+00	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Boron	—	71.5	—	—	4.88E+00	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.7	—	—	2.95E+00	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	EJ	J	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	2.72	—	—	5.00E-01	ug/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Chromium	—	3.26	—	—	5.00E-01	ug/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Chromium	<	4.63	—	—	5.03E-01	ug/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.29	—	—	2.50E+00	ug/L	EJ	J	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.6	—	—	2.50E+00	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	3.27	—	—	5.00E-01	ug/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Chromium	—	2.43	—	—	5.00E-01	ug/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	<	5.35	—	—	5.03E-01	ug/L	—	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Chromium	—	6.1	—	—	5.03E-01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	4.77	—	—	7.81E-01	ug/L	B	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.5	—	—	3.00E+00	ug/L	J	J	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.27	—	—	1.40E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Copper	—	7.63	—	—	1.40E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.18	—	—	1.39E+00	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	16.4	—	—	3.00E+00	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.54	—	—	1.40E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Copper	—	7.95	—	—	1.40E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.74	—	—	1.39E+00	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Copper	—	10.2	—	—	1.39E+00	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	26	—	—	2.67E+00	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11.5	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	31.2	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	23.9	—	—	1.40E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Molybdenum	—	22.9	—	—	1.40E+00	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	51	—	—	1.43E+00	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	12	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	32.4	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	25.3	—	—	1.40E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Molybdenum	—	24.7	—	—	1.40E+00	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	50.5	—	—	1.43E+00	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Molybdenum	—	50.8	—	—	1.43E+00	ug/L	—	—	83839	GU03060G3CM02	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	74.5	—	—	5.94E-01	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.25	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.76	—	—	5.00E-01	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Nickel	<	2.04	—	—	6.90E-01	ug/L	B	U	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Nickel	—	2.14	—	—	6.90E-01	ug/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Nickel	—	1.26	—	—	6.90E-01	ug/L	B	JN-	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.39	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.13	—	—	5.00E-01	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	<	3.48	—	—	6.90E-01	ug/L	B	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Nickel	—	2.89	—	—	6.90E-01	ug/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	2.7	—	—	6.90E-01	ug/L	B	JN-	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Nickel	—	2.51	—	—	6.90E-01	ug/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	<	6.77	—	—	7.43E-01	ug/L	—	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	29.8	—	—	5.30E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.1	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	29.8	—	—	3.20E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.5	—	—	1.80E-01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Strontium	—	77.8	—	—	1.80E-01	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.78E-01	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.8	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.80E-01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Strontium	—	79.7	—	—	1.80E-01	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.78E-01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Strontium	—	48	—	—	1.78E-01	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.5	—	—	1.68E-01	ug/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.149	—	—	5.00E-02	ug/L	J	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	2.00E-02	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Uranium	—	0.661	—	—	2.00E-02	ug/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.691	—	—	2.00E-02	ug/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.051	—	—	5.00E-02	ug/L	J	J	10-1591	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.655	—	—	2.00E-02	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	2.00E-02	ug/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	2.00E-02	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Uranium	—	0.701	—	—	2.00E-02	ug/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.11	5.67E-03	3.50E-02	—	pCi/L	—	—	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	3.81	8.33E-02	3.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	0.562	1.42E-02	3.50E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	3.15	2.78E+00	2.59E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-9.92	2.27E+00	1.96E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	1.65	3.26E-02	3.00E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Americium-241	—	1.59	3.13E-02	2.90E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	0.0629	6.77E-01	6.49E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	3.98	8.00E-02	3.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Americium-241	—	3.71	7.37E-02	2.48E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.84	4.33E-01	4.90E+00	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	43.1	1.07E+00	4.70E+00	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.21	5.43E-01	3.25E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	8.08	8.03E-01	3.43E+00	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.8	2.03E-01	1.40E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.603	4.67E-01	4.90E+00	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.53	4.33E-01	4.70E+00	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.462	3.20E-01	3.51E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.119	3.15E-01	3.56E+00	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.698	1.22E-01	1.49E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	97.7	1.13E+01	7.50E+01	—	pCi/L	—	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	87.1	2.07E+01	1.10E+02	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.3	2.02E+01	2.40E+02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	168	2.89E+01	3.49E+02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	124	3.17E-01	1.66E+02	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.45	4.33E+00	4.00E+01	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.31	4.00E+00	3.80E+01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	2.68E+00	2.71E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.26	2.62E+00	2.63E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0	1.46E+00	8.22E+00	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0659	5.00E-03	4.70E-02	—	pCi/L	—	—	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	4.02	7.67E-02	3.80E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	0.553	1.40E-02	3.20E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	2.19	4.23E-02	4.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-238	—	1.9	3.73E-02	3.90E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	2.16	4.17E-02	2.69E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-238	—	2.15	3.97E-02	3.30E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0612	5.00E-03	3.30E-02	—	pCi/L	—	—	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	4.38	8.33E-02	4.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	0.416	1.15E-02	3.30E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	1.78	3.53E-02	4.40E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-239/240	—	1.47	3.02E-02	4.30E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	1.31	2.77E-02	2.97E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-239/240	—	1.21	2.49E-02	3.30E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.69	5.67E+00	5.90E+01	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	9.33E+00	4.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.5	3.80E+00	4.50E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	41.1	5.40E+00	2.49E+01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0	2.86E+00	1.37E+01	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.473	5.33E-02	4.00E-01	—	pCi/L	—	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.166	3.67E-02	3.40E-01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	5.22	1.74E+00	4.97E+00	—	pCi/L	UI	R	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.116	3.53E-02	3.67E-01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	10.7	1.09E+00	6.23E+00	—	pCi/L	—	JN+	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.521	5.10E-02	3.87E-01	—	pCi/L	—	JN+	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	EPA:903.1	Radium-226	—	0.419	4.63E-02	3.69E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	39.2	9.90E-01	2.28E+00	—	pCi/L	—	—	59743	GU02051G3CM	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.462	7.00E-02	6.10E-01	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.53	1.23E-01	8.10E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	4.16	1.25E+00	1.41E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	1.12	1.76E+00	1.42E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	0.821	4.43E-01	4.85E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.636	3.67E-01	3.70E+00	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.2	4.33E-01	4.00E+00	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	2.65E-01	4.47E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.62	3.83E-01	4.86E+00	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	2.41E-01	1.42E+00	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	29.3	8.33E-01	7.00E-01	—	pCi/L	—	—	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	13.5	4.00E-01	3.30E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	35.8	1.80E+00	2.84E-01	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	20.6	8.23E-01	1.04E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	21.7	9.40E-01	2.20E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	26.1	1.21E+00	1.91E-01	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6320	2.10E+02	1.70E+02	—	pCi/L	—	—	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2060	7.33E+01	1.50E+02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	5400	4.00E+01	1.34E+02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	4330	3.83E+01	1.49E+02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	—	4470	3.87E+01	1.47E+02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3070	3.53E+01	1.47E+02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	—	3230	3.70E+01	1.54E+02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0363	4.67E-03	1.20E-01	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.214	1.00E-02	1.10E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.612	1.88E-02	1.10E-01	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.515	1.70E-02	9.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-234	—	0.701	2.17E-02	9.70E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	1.25	3.43E-02	3.48E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-234	—	1.23	3.23E-02	2.09E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00606	2.47E-03	7.00E-02	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0107	2.67E-03	5.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	—	0.174	9.37E-03	6.70E-02	—	pCi/L	—	J	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.0249	4.47E-03	3.80E-02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-235/236	—	0.0322	4.10E-03	4.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	—	0.052	4.13E-03	1.82E-02	—	pCi/L	—	J	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-235/236	—	0.0546	4.10E-03	2.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0267	4.00E-03	7.80E-02	—	pCi/L	U	U	10-1592	CAMO-10-9308	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	8.00E-03	5.50E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.272	1.15E-02	7.80E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	58.5	2.21E+01	2.07E+02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.204	9.30E-03	4.50E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	79.8	2.43E+01	1.65E+02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-238	—	0.213	9.60E-03	4.80E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	22.8	5.83E+00	5.65E+01	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.417	1.45E-02	2.97E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-238	—	0.455	1.44E-02	2.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	122	—	—	7.30E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	126	—	—	7.30E-01	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.2	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.5	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.4	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.6	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.5	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	36.1	—	—	3.30E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	50.6	—	—	6.60E-01	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51	—	—	1.30E+00	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.6	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.726	—	—	3.30E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.631	—	—	3.30E-02	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.717	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.759	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.682	—	—	3.30E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73.2	—	—	3.50E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.5	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	93	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	97.3	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.6	—	—	3.50E-01	mg/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.6	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	94.3	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	97.6	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.05	—	—	8.50E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.28	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.46	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.73	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.13	—	—	8.50E-02	mg/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.19	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.51	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.78	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.08	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	5.00E-02	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.51	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.88	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.3	—	—	2.50E-01	ug/L	—	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.05	—	—	5.00E-01	ug/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.23	—	—	1.30E+00	ug/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.71	—	—	5.00E-01	ug/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.68	—	—	5.00E-01	ug/L	—	—	09-807	CAMO-09-2583	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.47	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.97	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.27	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.4	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.94	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.61	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.35	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	49.2	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.2	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.1	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.7	—	—	4.50E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	46.2	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	48.3	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.2	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.5	—	—	4.50E-02	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	385	—	—	1.00E+00	uS/cm	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	453	—	—	1.00E+00	uS/cm	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	458	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	458	—	—	1.00E+00	uS/cm	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.7	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.17	—	—	1.00E-01	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.58	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.29	—	—	1.00E-01	mg/L	—	J-	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	256	—	—	2.40E+00	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	281	—	—	2.40E+00	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	290	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	266	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	281	—	—	2.40E+00	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.32	—	—	3.30E-01	mg/L	—	—	10-1616	CAMO-10-9281	GELC
MCO-4B	4581	8.9	11/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.42	—	—	3.30E-01	mg/L	—	—	10-430	CAMO-10-3092	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.03	—	—	3.30E-01	mg/L	—	—	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.11	—	—	3.30E-01	mg/L	—	—	09-1718	CAMO-09-8144	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.12	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.2	—	—	1.50E-02	mg/L	—	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.134	—	—	1.50E-02	mg/L	—	U	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.138	—	—	1.50E-02	mg/L	—	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.061	—	—	1.50E-02	mg/L	—	U	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.033	—	—	2.40E-02	mg/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.23	—	—	1.00E-02	SU	H	J-	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J-	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.21	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.12	—	—	1.00E-02	SU	H	J-	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	318	—	—	6.80E+01	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	78.8	—	—	6.80E+01	ug/L	J	J	09-2924	CAMO-09-9500	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	126	—	—	6.80E+01	ug/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	75.1	—	—	6.80E+01	ug/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1840	—	—	6.80E+01	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	205	—	—	6.80E+01	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	98.7	—	—	6.80E+01	ug/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.6	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	80.1	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	97.6	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	75.1	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.5	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	86.8	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.9	—	—	1.50E+01	ug/L	J	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46.2	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	56.6	—	—	1.00E+01	ug/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49	—	—	1.00E+01	ug/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	38.8	—	—	1.50E+01	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.3	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	59.3	—	—	1.00E+01	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.2	—	—	1.00E+01	ug/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.126	—	—	1.10E-01	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2.50E+00	ug/L	J	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.5	—	—	1.50E+00	ug/L	J	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.23	—	—	2.50E+00	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	2.6	—	—	1.50E+00	ug/L	J	U	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.57	—	—	3.00E+00	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	126	—	—	3.00E+01	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	40.4	—	—	3.00E+01	ug/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	29.9	—	—	2.50E+01	ug/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-253	CAMO-09-766	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1120	—	—	3.00E+01	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51	—	—	3.00E+01	ug/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	107	—	—	2.50E+01	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.41	—	—	5.00E-01	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.75	—	—	5.00E-01	ug/L	J	J	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.95	—	—	2.00E+00	ug/L	J	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.2	—	—	2.00E+00	ug/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	36.3	—	—	2.00E+00	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	24.4	—	—	2.00E+00	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	30.8	—	—	1.00E-01	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	27.8	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	24.8	—	—	1.00E-01	ug/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	26.3	—	—	1.00E-01	ug/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	30	—	—	1.00E-01	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	27.8	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	22.9	—	—	1.00E-01	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.6	—	—	1.00E-01	ug/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.6	—	—	5.00E-01	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.67	—	—	5.00E-01	ug/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.42	—	—	5.00E-01	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.69	—	—	5.00E-01	ug/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	5.30E-02	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.5	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.7	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.1	—	—	3.20E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.6	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.7	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	85.8	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	95.2	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-765	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.283	—	—	5.00E-02	ug/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.186	—	—	5.00E-02	ug/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	ug/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.37	—	—	5.00E-02	ug/L	—	—	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.192	—	—	5.00E-02	ug/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	ug/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.74	—	—	1.00E+00	ug/L	J	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	ug/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	ug/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.69	—	—	3.30E+00	ug/L	J	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.93	—	—	3.30E+00	ug/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.79	—	—	3.30E+00	ug/L	J	J	10-1617	CAMO-10-9281	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.22	—	—	3.30E+00	ug/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	ug/L	J	J	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	ug/L	J	J	09-253	CAMO-09-765	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	131	—	—	7.30E-01	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	124	—	—	7.30E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	133	—	—	7.30E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.047	—	—	1.60E-02	mg/L	J	J	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.024	—	—	1.60E-02	mg/L	J	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.9	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.8	—	—	3.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	35	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.9	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	32	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	38.8	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	37.9	—	—	3.00E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.4	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.7	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	43.4	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	61.9	—	—	6.60E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.7	—	—	3.30E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	67	—	—	6.60E-01	mg/L	—	—	09-253	CAMO-09-776	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.4	—	—	6.60E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.843	—	—	3.30E-02	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.664	—	—	3.30E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.82	—	—	3.30E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.827	—	—	3.30E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.714	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.6	—	—	3.50E-01	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	114	—	—	3.50E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	101	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	91.7	—	—	3.50E-01	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	98.9	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.76	—	—	8.50E-02	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.31	—	—	8.50E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.29	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.88	—	—	8.50E-02	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	8.50E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.31	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	J+	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.74	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.39	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.02	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.57	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.78	—	—	1.00E+00	ug/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.76	—	—	5.00E-01	ug/L	—	J	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.4	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.3	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.9	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.8	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.3	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.1	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.1	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.1	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	58	—	—	1.00E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.1	—	—	4.50E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.7	—	—	4.50E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.3	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.8	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.3	—	—	1.00E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57	—	—	4.50E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54	—	—	4.50E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.1	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	435	—	—	1.00E+00	uS/cm	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	517	—	—	1.00E+00	uS/cm	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	498	—	—	1.00E+00	uS/cm	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	501	—	—	1.00E+00	uS/cm	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	543	—	—	1.00E+00	uS/cm	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.22	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.8	—	—	1.00E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.04	—	—	1.00E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.77	—	—	1.00E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.69	—	—	1.00E-01	mg/L	—	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	284	—	—	2.40E+00	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	309	—	—	2.40E+00	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	308	—	—	2.40E+00	mg/L	—	J	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	324	—	—	2.40E+00	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.104	—	—	3.30E-02	mg/L	—	J-	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.117	—	—	2.90E-02	mg/L	—	—	09-883	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.068	—	—	2.90E-02	mg/L	J	J-	09-253	CAMO-09-775	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.959	—	—	2.90E-02	mg/L	—	J	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.04	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.43	—	—	3.30E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.8	—	—	3.30E-01	mg/L	—	—	09-883	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.68	—	—	3.30E-01	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.87	—	—	3.30E-01	mg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.08	—	—	1.00E-02	SU	H	J-	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.95	—	—	1.00E-02	SU	H	J-	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.05	—	—	1.00E-02	SU	H	J-	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.93	—	—	1.00E-02	SU	H	J-	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	189	—	—	6.80E+01	ug/L	J	J	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	315	—	—	6.80E+01	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	737	—	—	6.80E+01	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	73.3	—	—	6.80E+01	ug/L	J	J	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3490	—	—	6.80E+01	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	223	—	—	6.80E+01	ug/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1698	CAMO-08-14474	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	88.8	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	111	—	—	1.00E+00	ug/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	110	—	—	1.00E+00	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	110	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	103	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	94	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	106	—	—	1.00E+00	ug/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	126	—	—	1.00E+00	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	109	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	106	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	63.2	—	—	1.50E+01	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	64.2	—	—	1.50E+01	ug/L	—	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	45.1	—	—	1.00E+01	ug/L	J	J	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.2	—	—	1.00E+01	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.8	—	—	1.00E+01	ug/L	J	J	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	63.1	—	—	1.50E+01	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	47.4	—	—	1.50E+01	ug/L	J	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.5	—	—	1.00E+01	ug/L	J	J	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.8	—	—	1.00E+01	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.1	—	—	1.00E+01	ug/L	J	J	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	78.6	—	—	3.00E+01	ug/L	J	J	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	136	—	—	2.50E+01	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	398	—	—	3.00E+01	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	34.1	—	—	3.00E+01	ug/L	J	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1800	—	—	2.50E+01	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	69.6	—	—	2.50E+01	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	28.3	—	—	2.50E+01	ug/L	J	J	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.36	—	—	2.00E+00	ug/L	J	J	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	31.6	—	—	2.00E+00	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.2	—	—	2.00E+00	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	ug/L	J	J	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	34.6	—	—	1.00E-01	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	26.4	—	—	1.00E-01	ug/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	28.4	—	—	1.00E-01	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	27	—	—	1.00E-01	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	24.9	—	—	1.00E-01	ug/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	35.5	—	—	1.00E-01	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.3	—	—	1.00E-01	ug/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	30.9	—	—	1.00E-01	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.6	—	—	1.00E-01	ug/L	—	—	09-253	CAMO-09-775	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	24.6	—	—	1.00E-01	ug/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.32	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	ug/L	J	J	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	J	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.33	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	ug/L	J	J	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.8	—	—	5.30E-02	mg/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	5.30E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.7	—	—	3.20E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.5	—	—	3.20E-02	mg/L	N	J-	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.2	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	120	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00E+00	ug/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	134	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	123	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	1.00E+00	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	ug/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	ug/L	—	—	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.423	—	—	5.00E-02	ug/L	—	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.26	—	—	5.00E-02	ug/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.26	—	—	5.00E-02	ug/L	—	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.616	—	—	5.00E-02	ug/L	—	—	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.412	—	—	5.00E-02	ug/L	—	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.62	—	—	5.00E-02	ug/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.26	—	—	5.00E-02	ug/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.23	—	—	5.00E-02	ug/L	—	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.27	—	—	1.00E+00	ug/L	J	J	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.4	—	—	1.00E+00	ug/L	J	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.1	—	—	1.00E+00	ug/L	J	J	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.2	—	—	1.00E+00	ug/L	J	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.83	—	—	1.00E+00	ug/L	J	J	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.2	—	—	1.00E+00	ug/L	J	U	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.27	—	—	3.30E+00	ug/L	J	J	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2909	CAMO-09-9501	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.6	—	—	2.00E+00	ug/L	J	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	117	—	—	2.00E+00	ug/L	E	J	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.02	—	—	3.30E+00	ug/L	J	J	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.8	—	—	2.00E+00	ug/L	J	U	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.2	—	—	2.00E+00	ug/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	110	—	—	2.00E+00	ug/L	E	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.5	—	—	3.00E-01	ug/L	J	J	10-1458	CAMO-10-9284	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	U	08-1696	CAMO-08-14474	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	06/05/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	—	187316	GU070500G5CM01	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	122	—	—	7.30E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.046	—	—	1.60E-02	mg/L	J	J-	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0217	—	—	1.60E-02	mg/L	J	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.028	—	—	1.60E-02	mg/L	J	J-	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.3	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.8	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.9	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	38.3	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.3	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.5	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.4	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	39.4	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.2	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.2	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.7	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.4	—	—	6.60E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.1	—	—	6.60E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.941	—	—	3.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.77	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.875	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.985	—	—	3.30E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.895	—	—	3.30E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	90.1	—	—	3.50E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14477	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.6	—	—	3.50E-01	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	98.2	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	99	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	113	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	124	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.9	—	—	8.50E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.91	—	—	8.50E-02	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	5.00E-02	mg/L	—	J+	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.04	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	ug/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.34	—	—	5.00E-01	ug/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.4	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.7	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.8	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.2	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.2	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.5	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.7	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.5	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.9	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.4	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.5	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	50	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.9	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.3	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	442	—	—	1.00E+00	uS/cm	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	475	—	—	1.00E+00	uS/cm	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9505	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	uS/cm	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	uS/cm	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.78	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.62	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.15	—	—	1.00E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.36	—	—	1.00E-01	mg/L	—	J-	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	266	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	274	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	282	—	—	2.40E+00	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	286	—	—	2.40E+00	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.063	—	—	3.30E-02	mg/L	J	J-	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	11/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.045	—	—	3.30E-02	mg/L	J	J-	10-447	CAMO-10-3094	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.14	—	—	3.30E-02	mg/L	—	U	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	05/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.192	—	—	3.30E-02	mg/L	—	—	09-1732	CAMO-09-8146	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.105	—	—	2.90E-02	mg/L	—	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.65	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	11/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.66	—	—	3.30E-01	mg/L	—	—	10-447	CAMO-10-3094	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.5	—	—	3.30E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-1732	CAMO-09-8146	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.33	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.95	—	—	1.00E-02	SU	H	J-	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.06	—	—	1.00E-02	SU	H	J-	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.99	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.01	—	—	1.00E-02	SU	H	J-	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	87.5	—	—	6.80E+01	ug/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	169	—	—	6.80E+01	ug/L	J	J	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	171	—	—	6.80E+01	ug/L	J	J	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	88.9	—	—	6.80E+01	ug/L	J	J	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	240	—	—	6.80E+01	ug/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	88.4	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	98.4	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	96.9	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	112	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	116	—	—	1.00E+00	ug/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	90.4	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.2	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.3	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	116	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	119	—	—	1.00E+00	ug/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	56.4	—	—	1.50E+01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.4	—	—	1.50E+01	ug/L	—	—	09-2857	CAMO-09-9505	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	51.7	—	—	1.00E+01	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	53.6	—	—	1.00E+01	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40	—	—	1.00E+01	ug/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	56.5	—	—	1.50E+01	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.2	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.8	—	—	1.00E+01	ug/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	54.9	—	—	1.00E+01	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.8	—	—	1.00E+01	ug/L	J	J	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.34	—	—	3.00E+00	ug/L	J	J	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	31.2	—	—	3.00E+01	ug/L	J	J	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	27.2	—	—	2.50E+01	ug/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	96.8	—	—	3.00E+01	ug/L	J	J	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	102	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	123	—	—	2.50E+01	ug/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	37.4	—	—	1.00E-01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	34.4	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	29.8	—	—	1.00E-01	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	31.1	—	—	1.00E-01	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	27.1	—	—	1.00E-01	ug/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	38.8	—	—	1.00E-01	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	33.4	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	30.8	—	—	1.00E-01	ug/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	31.8	—	—	1.00E-01	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	27.4	—	—	1.00E-01	ug/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.74	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.65	—	—	5.00E-01	ug/L	J	J	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.85	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	ug/L	J	J	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.5	—	—	5.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.9	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.2	—	—	3.20E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.9	—	—	3.20E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	135	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	150	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	1.00E+00	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	ug/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.6	—	—	5.00E-02	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	ug/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	ug/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.26	—	—	5.00E-02	ug/L	—	U	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.663	—	—	5.00E-02	ug/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.519	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	ug/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	ug/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.23	—	—	5.00E-02	ug/L	—	U	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	ug/L	J	U	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1.7	—	—	1.00E+00	ug/L	J	U	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.61	—	—	3.30E+00	ug/L	J	J	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.7	—	—	2.00E+00	ug/L	J	J	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.2	—	—	2.00E+00	ug/L	J	U	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.75	—	—	3.30E+00	ug/L	J	J	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.37	—	—	3.30E+00	ug/L	J	U	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.2	—	—	2.00E+00	ug/L	J	J	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.1	—	—	2.00E+00	ug/L	J	J	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2.9	—	—	2.00E+00	ug/L	J	U	08-1713	CAMO-08-14478	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	109	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.031	—	—	1.60E-02	mg/L	J	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0161	—	—	1.60E-02	mg/L	J	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.02	—	—	1.60E-02	mg/L	J	J-	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.138	—	—	6.60E-02	mg/L	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.2	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.4	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.8	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.9	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.5	—	—	6.60E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	61.3	—	—	6.60E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	55.9	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.958	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.932	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.07	—	—	3.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.22	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.11	—	—	3.30E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	89	—	—	3.50E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.2	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73.3	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.6	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.3	—	—	3.50E-01	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.9	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.3	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.3	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.32	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.53	—	—	8.50E-02	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.63	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.3	—	—	5.00E-02	mg/L	—	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.15	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	11.7	—	—	1.00E+00	ug/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	12	—	—	1.30E+00	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.97	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.4	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.3	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.7	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.1	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.2	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.2	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.4	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52	—	—	4.50E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.6	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.1	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.3	—	—	4.50E-02	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.5	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	472	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	451	—	—	1.00E+00	uS/cm	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	uS/cm	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	469	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	430	—	—	1.00E+00	uS/cm	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.43	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.1	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.59	—	—	1.00E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	273	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	269	—	—	2.40E+00	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	278	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	269	—	—	2.40E+00	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.18	—	—	3.30E-01	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	11/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.72	—	—	3.30E-01	mg/L	—	—	10-447	CAMO-10-3095	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.12	—	—	3.30E-01	mg/L	—	—	09-1718	CAMO-09-8147	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.45	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.264	—	—	1.50E-02	mg/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.32	—	—	1.50E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.292	—	—	1.50E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.226	—	—	1.50E-02	mg/L	—	J	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.325	—	—	2.40E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.01	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9291	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.09	—	—	1.00E-02	SU	H	J-	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	167	—	—	6.80E+01	ug/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	179	—	—	6.80E+01	ug/L	J	J	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1150	—	—	6.80E+01	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	194	—	—	6.80E+01	ug/L	J	J	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1770	—	—	6.80E+01	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.3	—	—	1.50E+00	ug/L	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.97	—	—	1.50E+00	ug/L	J	J	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	209	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	209	—	—	1.00E+00	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	178	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	176	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	212	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	213	—	—	1.00E+00	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	179	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	178	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	67.1	—	—	1.50E+01	ug/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.5	—	—	1.50E+01	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	74.7	—	—	1.00E+01	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	77.8	—	—	1.00E+01	ug/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	68.5	—	—	1.50E+01	ug/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	68	—	—	1.50E+01	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	70.9	—	—	1.00E+01	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.7	—	—	1.00E+01	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.68	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.06	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.62	—	—	2.50E+00	ug/L	J	J	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2	—	—	1.50E+00	ug/L	J	J	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.50E+00	ug/L	J	J	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	48.1	—	—	3.00E+01	ug/L	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	73.8	—	—	2.50E+01	ug/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	118	—	—	3.00E+01	ug/L	—	—	10-1497	CAMO-10-9289	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	555	—	—	3.00E+01	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	104	—	—	2.50E+01	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	922	—	—	2.50E+01	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	36.8	—	—	1.00E-01	ug/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	35.7	—	—	1.00E-01	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	36.6	—	—	1.00E-01	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	43.5	—	—	1.00E-01	ug/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	37.7	—	—	1.00E-01	ug/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	36.1	—	—	1.00E-01	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	36.8	—	—	1.00E-01	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	44.4	—	—	1.00E-01	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.41	—	—	5.00E-01	ug/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.24	—	—	5.00E-01	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.21	—	—	5.00E-01	ug/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.11	—	—	5.00E-01	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.06	—	—	1.00E+00	ug/L	J	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.3	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.2	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.3	—	—	3.20E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00E+00	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	172	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	147	—	—	1.00E+00	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.765	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.862	—	—	5.00E-02	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.852	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	5.00E-02	ug/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	ug/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.31	—	—	3.00E-01	ug/L	J	J	10-1495	CAMO-10-9290	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	—	192790	GU070800G7CM01	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	115	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	126	—	—	7.30E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.038	—	—	1.60E-02	mg/L	J	J-	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.053	—	—	1.60E-02	mg/L	—	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.8	—	—	3.00E-02	mg/L	N	J+	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	3.00E-02	mg/L	N	J+	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	53.5	—	—	6.60E-01	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.4	—	—	6.60E-01	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	43	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.4	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	42.3	—	—	6.60E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	41.4	—	—	3.30E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	1.14	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.13	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.33	—	—	3.30E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.35	—	—	3.30E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.47	—	—	3.30E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.34	—	—	3.30E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	78.5	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.1	—	—	3.50E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	81.9	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	3.50E-01	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.4	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2589	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.4	—	—	3.50E-01	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.6	—	—	3.50E-01	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.71	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.86	—	—	8.50E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.35	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.13	—	—	8.50E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.41	—	—	8.50E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.78	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	8.50E-02	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.17	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	8.50E-02	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.29	—	—	8.50E-02	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.31	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.42	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.82	—	—	5.00E-02	mg/L	—	J-	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	10.9	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	11.7	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	21.3	—	—	1.30E+00	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	13.6	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	12.7	—	—	1.00E+00	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	16.4	—	—	1.30E+00	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	14.2	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.3	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.6	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.2	—	—	5.00E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	14.4	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.9	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.2	—	—	5.00E-02	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12	—	—	5.00E-02	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	64.3	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	62.1	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.5	—	—	5.00E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.6	—	—	4.50E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.3	—	—	4.50E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54	—	—	4.50E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	62.3	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	64.9	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57.1	—	—	5.00E-01	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	58	—	—	4.50E-02	mg/L	—	—	09-794	CAMO-09-2589	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.3	—	—	4.50E-02	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.1	—	—	4.50E-02	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	473	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	476	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	441	—	—	1.00E+00	uS/cm	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	444	—	—	1.00E+00	uS/cm	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	431	—	—	1.00E+00	uS/cm	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	449	—	—	1.00E+00	uS/cm	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	9.97	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.94	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.2	—	—	1.00E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	1.00E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.2	—	—	1.00E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.4	—	—	1.00E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	286	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	275	—	—	2.40E+00	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	264	—	—	2.40E+00	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	260	—	—	2.40E+00	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	274	—	—	2.40E+00	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.99	—	—	3.30E-01	mg/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.85	—	—	3.30E-01	mg/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.42	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.33	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.85	—	—	3.30E-01	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.07	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.09	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.08	—	—	1.00E-02	SU	H	J-	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	196	—	—	6.80E+01	ug/L	J	J	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	223	—	—	6.80E+01	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	239	—	—	6.80E+01	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	159	—	—	6.80E+01	ug/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	69.3	—	—	6.80E+01	ug/L	J	J	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	1.54	—	—	1.50E+00	ug/L	J	J	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.91	—	—	1.50E+00	ug/L	J	J	10-1497	CAMO-10-9294	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.57	—	—	1.50E+00	ug/L	J	J	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	184	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	189	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	177	—	—	1.00E+00	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	164	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	154	—	—	1.00E+00	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	164	—	—	1.00E+00	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	193	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	190	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	180	—	—	1.00E+00	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	161	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	158	—	—	1.00E+00	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	164	—	—	1.00E+00	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	69.8	—	—	1.50E+01	ug/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	72.9	—	—	1.50E+01	ug/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.3	—	—	1.50E+01	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	69.7	—	—	1.00E+01	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	73.4	—	—	1.00E+01	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	71.2	—	—	1.00E+01	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	72.5	—	—	1.50E+01	ug/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	71.8	—	—	1.50E+01	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	69.5	—	—	1.50E+01	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	67.2	—	—	1.00E+01	ug/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.5	—	—	1.00E+01	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	72	—	—	1.00E+01	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.59	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.50E+00	ug/L	J	J	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.4	—	—	1.50E+00	ug/L	J	J	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4	—	—	1.50E+00	ug/L	—	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.26	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.16	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.7	—	—	1.50E+00	ug/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.3	—	—	1.50E+00	ug/L	J	J	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3.2	—	—	1.50E+00	ug/L	—	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	33.4	—	—	3.00E+01	ug/L	J	J	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	42.3	—	—	3.00E+01	ug/L	J	J	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34.1	—	—	3.00E+01	ug/L	J	J	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	113	—	—	3.00E+01	ug/L	—	—	10-1497	CAMO-10-9294	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	126	—	—	3.00E+01	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	3.00E+01	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	77.4	—	—	2.50E+01	ug/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.24	—	—	2.00E+00	ug/L	J	J	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.91	—	—	2.00E+00	ug/L	J	J	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.69	—	—	2.00E+00	ug/L	J	J	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	48	—	—	1.00E-01	ug/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	46.5	—	—	1.00E-01	ug/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	48.7	—	—	1.00E-01	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	46.6	—	—	1.00E-01	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	55	—	—	1.00E-01	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	44.1	—	—	1.00E-01	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	45.8	—	—	1.00E-01	ug/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	44.8	—	—	1.00E-01	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.9	—	—	1.00E-01	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.7	—	—	1.00E-01	ug/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	51.2	—	—	1.00E-01	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	44.3	—	—	1.00E-01	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.78	—	—	5.00E-01	ug/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.55	—	—	5.00E-01	ug/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.45	—	—	5.00E-01	ug/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.47	—	—	5.00E-01	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.39	—	—	5.00E-01	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	37.2	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.2	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.3	—	—	5.30E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.6	—	—	3.20E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	<	38.3	—	—	3.20E-02	mg/L	—	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.1	—	—	3.20E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	ug/L	—	—	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	5.00E+00	ug/L	—	—	09-2792	CAMO-09-9518	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	142	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	167	—	—	1.00E+00	ug/L	—	—	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	5.00E+00	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00E+00	ug/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00E+00	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.759	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9297	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.723	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.737	—	—	5.00E-02	ug/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	5.00E-02	ug/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	ug/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	ug/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.773	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9294	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.792	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.789	—	—	5.00E-02	ug/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	ug/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.72	—	—	5.00E-02	ug/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	ug/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	0.27	—	—	2.50E-01	ug/L	J	J	10-1495	CAMO-10-9296	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	08-1691	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	—	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	06/07/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	—	187530	GU070500G57M01	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.4	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	32.3	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.8	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.6	—	—	7.30E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.408	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.399	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.394	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.291	—	—	6.60E-02	mg/L	—	J+	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.2	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.1	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.1	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.3	—	—	1.30E-01	mg/L	—	J+	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.1	—	—	1.30E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.7	—	—	1.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.8	—	—	1.30E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.259	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.323	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.362	—	—	3.30E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	94.2	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.3	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.6	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.3	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.4	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.2	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.08	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	8.88	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.68	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.1	—	—	2.50E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.5	—	—	1.00E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	50.2	—	—	5.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	61.1	—	—	5.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	64.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	61.7	—	—	5.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.745	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.649	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.701	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.6	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.616	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.646	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.746	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.628	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.3	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	267	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	265	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	270	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	278	—	—	1.00E+00	uS/cm	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.7	—	—	1.00E-01	mg/L	—	J+	10-1442	CAMO-10-9311	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.9	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.7	—	—	1.00E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	245	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	233	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	241	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	233	—	—	2.40E+00	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.27	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.26	—	—	1.00E-02	SU	H	J-	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.9	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.3	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.00E+01	ug/L	J	J	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.9	—	—	1.00E+01	ug/L	J	J	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.84	—	—	3.00E+00	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	38.3	—	—	3.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.42	—	—	3.00E+00	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.6	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	17.7	—	—	3.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	26.2	—	—	3.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.9	—	—	3.00E+00	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	55.6	—	—	3.00E+01	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	44	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	46.3	—	—	2.50E+01	ug/L	J	J	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	4.04	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	6.82	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.572	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3116	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.867	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.805	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.752	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.735	—	—	1.00E-01	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.923	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.783	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.719	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.688	—	—	1.00E-01	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.61	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.53	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.72	—	—	5.00E-01	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.94	—	—	5.00E-01	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.8	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.03	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.14	—	—	5.00E-01	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.03	—	—	5.00E-01	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	3.20E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.076	—	—	5.00E-02	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.066	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.075	—	—	5.00E-02	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.076	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.133	—	—	5.00E-02	ug/L	J	U	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.55	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.52	—	—	1.00E+00	ug/L	J	J	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.51	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	ug/L	J	J	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.31	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.42	—	—	1.00E+00	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.53	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.62	—	—	1.00E+00	ug/L	J	J	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.1	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	170	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.8	—	—	3.30E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	45.9	—	—	2.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.8	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.2	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.9	—	—	3.30E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31.6	—	—	2.00E+00	ug/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6350	2.37E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6430	2.17E+02	1.90E+02	—	pCi/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6710	2.27E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7150	2.43E+02	1.70E+02	—	pCi/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	11/18/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8590	2.93E+02	1.70E+02	—	pCi/L	—	—	09-337	CAMO-09-777	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	7.30E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.5	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.5	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.1	—	—	7.30E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.125	—	—	6.60E-02	mg/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.119	—	—	6.60E-02	mg/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.60E-02	mg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	6.70E-02	mg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.00E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.68	—	—	6.60E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.5	—	—	6.60E-02	mg/L	—	J+	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.99	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.39	—	—	6.60E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.21	—	—	6.60E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.239	—	—	3.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.504	—	—	3.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.386	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.394	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.8	—	—	3.50E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	3.50E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.2	—	—	3.50E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.5	—	—	3.50E-01	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.2	—	—	2.50E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.07	—	—	1.00E-01	mg/L	—	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.63	—	—	1.00E-01	mg/L	—	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.23	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.24	—	—	1.00E-01	mg/L	—	J+	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	84.5	—	—	1.00E+01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	88.3	—	—	1.30E+01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	85.6	—	—	1.00E+01	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.7	—	—	1.30E+01	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	68.7	—	—	1.00E+01	ug/L	—	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.492	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.479	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.495	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.355	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.355	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.481	—	—	5.00E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.482	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.448	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.477	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.379	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.491	—	—	5.00E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.9	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.4	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.503	—	—	3.30E-01	mg/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.761	—	—	3.30E-01	mg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1718	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.625	—	—	3.30E-01	mg/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.3	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14	—	—	1.00E+01	ug/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.9	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	22.3	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.9	—	—	1.00E+01	ug/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	2.50E+00	ug/L	J	J	10-1414	CAMO-10-9726	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.74	—	—	2.50E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-417	CAMO-10-3898	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2807	CAMO-09-10298	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.14	—	—	1.50E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	ug/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	ug/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	1.50E+00	ug/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.82	—	—	2.50E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.17	—	—	2.50E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.06	—	—	1.50E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.2	—	—	1.50E+00	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.6	—	—	3.00E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.4	—	—	3.00E+01	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	68.8	—	—	2.50E+01	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	129	—	—	2.50E+01	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.79	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	ug/L	—	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.66	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.93	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.18	—	—	1.00E-01	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	ug/L	—	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.79	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.792	—	—	5.00E-01	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.53	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.814	—	—	5.00E-01	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	5.00E-01	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.86	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.4	—	—	5.00E-01	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.6	—	—	5.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	3.20E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.9	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	83.7	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.4	—	—	1.00E+00	ug/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.3	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.7	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.106	—	—	5.00E-02	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.13	—	—	5.00E-02	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.167	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	ug/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.118	—	—	5.00E-02	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.141	—	—	5.00E-02	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.182	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.153	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.11	—	—	5.00E-02	ug/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.7	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	ug/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.57	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.73	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.46	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00E+00	ug/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.76	—	—	3.30E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.3	—	—	3.30E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.5	—	—	3.30E+00	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.2	—	—	2.00E+00	ug/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.28	—	—	3.30E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.99	—	—	3.30E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.29	—	—	3.30E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.97	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.3	—	—	2.00E+00	ug/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3020	1.03E+02	1.70E+02	—	pCi/L	—	—	10-1413	CAMO-10-9315	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3200	1.10E+02	1.90E+02	—	pCi/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3070	1.10E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3090	1.10E+02	1.60E+02	—	pCi/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3570	1.30E+02	1.70E+02	—	pCi/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	7.08	—	—	2.20E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	7.08	—	—	2.20E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	6.17	—	—	2.20E+00	ug/L	J	J	09-2806	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.82	—	—	1.10E+00	ug/L	J	J	09-1718	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.21	—	—	1.10E+00	ug/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.5	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.1	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.3	—	—	7.30E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.7	—	—	7.30E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.673	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.633	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.61	—	—	6.60E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	J+	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	74.5	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.5	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.8	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.5	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	70.7	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.9	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	49.6	—	—	6.60E-01	mg/L	—	J+	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	49.5	—	—	6.60E-01	mg/L	—	J+	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.3	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	46.7	—	—	6.60E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	45	—	—	3.30E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.535	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.54	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.447	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.628	—	—	3.30E-02	mg/L	—	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.624	—	—	3.30E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	249	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	215	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	235	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	210	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15.3	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.4	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	14.2	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.5	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.5	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.2	—	—	2.50E-01	mg/L	—	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	13.6	—	—	2.50E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	81.9	—	—	1.00E+01	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.6	—	—	1.00E+01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	90.5	—	—	1.00E+01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	95.2	—	—	1.00E+01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	96.7	—	—	1.30E+01	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.928	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.882	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.81	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.823	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.762	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.889	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.866	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.814	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.801	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.754	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	28.2	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	26.2	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	28.1	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.9	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	579	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	582	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	585	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	569	—	—	1.00E+00	uS/cm	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	544	—	—	1.00E+00	uS/cm	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	64	—	—	1.00E+00	mg/L	—	J+	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	63.5	—	—	1.00E+00	mg/L	—	J+	10-1442	CAMO-10-9317	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.4	—	—	5.00E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	63.6	—	—	1.00E+00	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	59.9	—	—	5.00E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	476	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	459	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	440	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	458	—	—	2.40E+00	mg/L	—	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	436	—	—	2.40E+00	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.165	—	—	3.30E-02	mg/L	—	J-	10-1441	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.057	—	—	3.30E-02	mg/L	J	J-	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.05	—	—	3.30E-02	mg/L	J	J-	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.42	—	—	3.30E-01	mg/L	—	—	10-1441	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.49	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.785	—	—	3.30E-01	mg/L	J	J	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	2.19	—	—	1.50E+00	ug/L	J	J	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.58	—	—	1.50E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.75	—	—	1.50E+00	ug/L	J	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	1.65	—	—	1.50E+00	ug/L	J	J	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.48	—	—	1.50E+00	ug/L	J	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	46	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	43.2	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.6	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.6	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.2	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	35.6	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.7	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.50E+01	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.7	—	—	1.50E+01	ug/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.7	—	—	1.00E+01	ug/L	J	J	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	31.8	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9320	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.9	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.50E+01	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	44.4	—	—	1.50E+01	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.7	—	—	1.00E+01	ug/L	J	J	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	51.1	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	50.2	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	51.5	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	44.3	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-10299	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	47.5	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	57.6	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.1	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	53.4	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	50	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	10.9	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	10.6	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	9.56	—	—	3.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	11.3	—	—	3.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	11.6	—	—	3.00E+00	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	13.7	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.9	—	—	3.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.1	—	—	3.00E+00	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	86.6	—	—	3.00E+01	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	38.5	—	—	3.00E+01	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.31	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.46	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.55	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.07	—	—	2.00E+00	ug/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.34	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.45	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.37	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.33	—	—	2.00E+00	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.994	—	—	1.00E-01	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.27	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3121	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	14.7	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.2	—	—	5.00E-01	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	28.3	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.2	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.3	—	—	5.00E-01	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.06	—	—	5.00E-01	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.8	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	5.30E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	3.20E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	324	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	275	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	276	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	307	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	280	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	286	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	5.38	—	—	5.00E-02	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.07	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	1.94	—	—	5.00E-02	ug/L	—	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.26	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9321	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.32	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.94	—	—	1.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.16	—	—	1.00E+00	ug/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.74	—	—	1.00E+00	ug/L	J	J	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.38	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.77	—	—	1.00E+00	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.31	—	—	1.00E+00	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.38	—	—	1.00E+00	ug/L	J	J	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	26.2	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9321	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.5	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.8	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.4	—	—	3.30E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.1	—	—	2.00E+00	ug/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	28.5	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.6	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.7	—	—	3.30E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.8	—	—	2.00E+00	ug/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	6050	2.27E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7000	2.60E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7420	2.50E+02	1.90E+02	—	pCi/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8420	2.87E+02	2.30E+02	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	9520	3.23E+02	1.60E+02	—	pCi/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Benzo(a)anthracene	—	0.252	—	—	2.20E-01	ug/L	J	J	10-1441	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)anthracene	—	0.266	—	—	2.50E-01	ug/L	J	J	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)anthracene	<	1.25	—	—	2.50E-01	ug/L	U	U	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)anthracene	<	1	—	—	2.00E-01	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)anthracene	<	1.06	—	—	2.10E-01	ug/L	U	U	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Dioxane[1,4-]	—	19.4	—	—	2.20E+00	ug/L	—	J	10-1441	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	20.9	—	—	2.50E+00	ug/L	—	J	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	23.2	—	—	2.50E+00	ug/L	—	J	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	10.9	—	—	2.00E+00	ug/L	—	J	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	20.2	—	—	1.10E+00	ug/L	—	J	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	FD	Voa	SW-846:8260B	Chloroform	—	0.276	—	—	2.50E-01	ug/L	J	J	10-1441	CAMO-10-9320	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.285	—	—	2.50E-01	ug/L	J	J	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-1742	CAMO-09-8169	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	120	—	—	7.30E-01	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	156	—	—	7.30E-01	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	151	—	—	7.25E-01	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	143	—	—	7.25E-01	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	135	—	—	7.25E-01	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	135	—	—	7.25E-01	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.00E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	3.00E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	3.60E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	3.60E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.00E-02	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	3.60E-02	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	3.60E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.3	—	—	6.60E-01	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.4	—	—	1.30E-01	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.9	—	—	1.32E-01	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.6	—	—	1.32E-01	mg/L	—	—	187531	GF070600G3TM01	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	24.2	—	—	6.60E-01	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	24.6	—	—	6.60E-01	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.48	—	—	3.30E-02	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.39	—	—	3.30E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.57	—	—	3.30E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.71	—	—	3.30E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.73	—	—	3.30E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.74	—	—	3.30E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.8	—	—	3.50E+00	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.1	—	—	4.30E-01	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.1	—	—	4.25E-01	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.9	—	—	4.40E-01	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	8.50E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.9	—	—	3.50E+00	mg/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.1	—	—	4.30E-01	mg/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67	—	—	4.25E-01	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	4.40E-01	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57	—	—	8.50E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.54	—	—	8.50E-01	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.21	—	—	8.50E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.96	—	—	8.50E-01	mg/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.33	—	—	8.50E-02	mg/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.53	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.39	—	—	5.00E-02	mg/L	—	J-	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.36	—	—	5.00E-02	mg/L	—	J-	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.51	—	—	1.00E-01	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	2.59	—	—	1.40E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	2.65	—	—	1.40E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	14.1	—	—	1.00E+00	ug/L	—	J	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	29.2	—	—	2.50E+00	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	28	—	—	2.00E+00	ug/L	—	J	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	28.5	—	—	2.00E+00	ug/L	—	J	187531	GF070600G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	—	33.3	—	—	4.00E+00	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	—	27	—	—	4.00E+00	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	27.7	—	—	2.00E+00	ug/L	—	J	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.3	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.7	—	—	5.00E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.1	—	—	5.00E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10	—	—	5.00E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.6	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12	—	—	5.00E-02	mg/L	—	—	08-599	CAMO-08-10502	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.6	—	—	5.00E-02	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.7	—	—	5.00E-02	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.6	—	—	5.00E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	36.7	—	—	3.20E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	37.2	—	—	3.20E-02	mg/L	N	J-	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	35.6	—	—	3.20E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	38.1	—	—	3.20E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.9	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65	—	—	4.50E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.6	—	—	4.50E-02	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.5	—	—	4.50E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	61	—	—	4.50E-02	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	62.1	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.4	—	—	4.50E-02	mg/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	73.9	—	—	4.50E-02	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	58.2	—	—	4.50E-02	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	63.4	—	—	4.50E-02	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	459	—	—	1.00E+00	uS/cm	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	437	—	—	1.00E+00	uS/cm	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	462	—	—	1.00E+00	uS/cm	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	443	—	—	1.00E+00	uS/cm	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	425	—	—	1.00E+00	uS/cm	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	421	—	—	1.00E+00	uS/cm	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.4	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.4	—	—	1.00E-01	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.3	—	—	1.00E-01	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15	—	—	1.00E-01	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.8	—	—	1.00E-01	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.8	—	—	1.00E-01	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	265	—	—	2.38E+00	mg/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	286	—	—	2.38E+00	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	250	—	—	2.64E+00	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	260	—	—	2.38E+00	mg/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.05	—	—	3.30E-01	mg/L	—	—	10-1616	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.06	—	—	3.30E-01	mg/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.48	—	—	3.30E-01	mg/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.74	—	—	3.30E-01	mg/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.62	—	—	3.30E-01	mg/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.57	—	—	1.00E-02	SU	H	J-	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	1.00E-02	SU	H	J-	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.46	—	—	1.00E-02	SU	H	J	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.3	—	—	1.00E-02	SU	H	J	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.22	—	—	1.00E-02	SU	H	J	175024	GF060900G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.27	—	—	1.00E-02	SU	H	J	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	427	—	—	6.80E+01	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-599	CAMO-08-10503	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	123	—	—	6.80E+01	ug/L	J	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	483	—	—	6.80E+01	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	192	—	—	6.80E+01	ug/L	J	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1210	—	—	6.80E+01	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	315	—	—	6.80E+01	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	706	—	—	6.80E+01	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	365	—	—	6.80E+01	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	162	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	163	—	—	1.00E+00	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	148	—	—	1.00E+00	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	141	—	—	1.00E+00	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	122	—	—	1.00E+00	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	169	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	165	—	—	1.00E+00	ug/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	152	—	—	1.00E+00	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	134	—	—	1.00E+00	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	130	—	—	1.00E+00	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	58.3	—	—	1.50E+01	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	75.2	—	—	1.00E+01	ug/L	—	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	60.9	—	—	1.00E+01	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	69.1	—	—	1.00E+01	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	67.2	—	—	1.00E+01	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	58	—	—	1.50E+01	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	75.5	—	—	1.00E+01	ug/L	—	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	63.7	—	—	1.00E+01	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	65.8	—	—	1.00E+01	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	69.4	—	—	1.00E+01	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.78	—	—	2.50E+00	ug/L	J	J	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.8	—	—	2.50E+00	ug/L	J	J	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.4	—	—	1.00E+00	ug/L	J	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.00E+00	ug/L	J	JN-	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1.4	—	—	1.00E+00	ug/L	J	U	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.93	—	—	2.50E+00	ug/L	J	J	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.1	—	—	1.00E+00	ug/L	J	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.1	—	—	1.00E+00	ug/L	J	JN-	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	1.9	—	—	1.00E+00	ug/L	J	U	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	189	—	—	3.00E+01	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	29.5	—	—	2.50E+01	ug/L	J	J	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	69.2	—	—	2.50E+01	ug/L	J	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	292	—	—	1.80E+01	ug/L	—	U, J+	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	99.9	—	—	1.80E+01	ug/L	J	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	629	—	—	3.00E+01	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	36	—	—	2.50E+01	ug/L	J	J	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	142	—	—	2.50E+01	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	416	—	—	1.80E+01	ug/L	—	U, J+	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	201	—	—	1.80E+01	ug/L	—	—	175024	GU060900G3TM01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.589	—	—	5.00E-01	ug/L	J	J	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.9	—	—	2.00E+00	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.4	—	—	2.00E+00	ug/L	J	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	ug/L	J	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	49.9	—	—	1.00E-01	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	50	—	—	2.00E+00	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	60.8	—	—	2.00E+00	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	67	—	—	2.00E+00	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	67.2	—	—	2.00E+00	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	50.2	—	—	1.00E-01	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	49.9	—	—	2.00E+00	ug/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	64.8	—	—	2.00E+00	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	63.8	—	—	2.00E+00	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	69.7	—	—	2.00E+00	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.4	—	—	5.00E-01	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.8	—	—	5.00E-01	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.7	—	—	5.00E-01	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.1	—	—	5.00E-01	ug/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.4	—	—	5.00E-01	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.6	—	—	5.00E-01	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.8	—	—	5.30E-02	mg/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.1	—	—	3.20E-02	mg/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00E+00	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	142	—	—	1.00E+00	ug/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	1.00E+00	ug/L	—	—	191858	GU070800G3TM01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.866	—	—	5.00E-02	ug/L	—	—	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	ug/L	—	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.912	—	—	5.00E-02	ug/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.75	—	—	5.00E-02	ug/L	—	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.68	—	—	1.00E+00	ug/L	J	J	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3	—	—	1.00E+00	ug/L	J	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.7	—	—	1.00E+00	ug/L	J	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1	—	—	1.00E+00	ug/L	U	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	ug/L	J	—	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.43	—	—	1.00E+00	ug/L	J	J	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.8	—	—	1.00E+00	ug/L	J	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.1	—	—	1.00E+00	ug/L	J	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1	—	—	1.00E+00	ug/L	U	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.5	—	—	1.00E+00	ug/L	J	—	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	ug/L	J	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.1	—	—	2.00E+00	ug/L	J	U	175024	GF060900G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.51	—	—	3.30E+00	ug/L	J	J	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.6	—	—	2.00E+00	ug/L	J	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	187531	GU070600G3TM01	GELC
MT-3	5261	44	10/26/06	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2.8	—	—	2.00E+00	ug/L	J	U	175024	GU060900G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0745	5.67E-03	4.70E-02	—	pCi/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0506	4.83E-03	4.34E-02	—	pCi/L	—	J	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0494	6.80E-03	4.92E-02	—	pCi/L	—	J	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0942	5.27E-03	3.54E-02	—	pCi/L	—	J	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0175	4.00E-03	3.20E-02	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0449	3.67E-03	3.70E-02	—	pCi/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0248	4.90E-03	4.46E-02	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0959	7.43E-03	4.66E-02	—	pCi/L	—	J	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.138	6.80E-03	3.51E-02	—	pCi/L	—	—	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.28	9.00E-01	5.90E+00	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.195	4.30E-01	4.25E+00	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.26	5.27E-01	3.41E+00	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.677	3.06E-01	3.14E+00	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.797	4.67E-01	4.30E+00	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.34	5.00E-01	4.00E+00	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0317	3.70E-01	3.68E+00	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.79	4.73E-01	3.39E+00	—	pCi/L	U	U	166354	GU060600G3TM01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.41	2.22E-01	3.49E+00	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.05	6.00E-01	5.40E+00	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.129	4.50E-01	4.53E+00	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.32	3.33E-01	4.08E+00	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.24	3.33E-01	4.12E+00	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.09	5.33E-01	5.50E+00	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.88	4.67E-01	3.50E+00	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.5	3.90E-01	3.35E+00	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00431	3.33E-01	3.61E+00	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.29	3.53E-01	4.40E+00	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.34	2.38E-01	2.16E+00	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.292	8.10E-02	1.29E+00	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.14	2.15E-01	2.41E+00	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	04/20/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.89	2.10E-01	1.48E+00	—	pCi/L	—	J	135047	GF05040G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.29	3.67E-01	2.20E+00	—	pCi/L	—	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.565	2.55E-01	2.83E+00	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.717	1.45E-01	1.57E+00	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.63	3.37E-01	2.58E+00	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	04/20/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.06	2.15E-01	2.01E+00	—	pCi/L	—	J	135047	GU05040G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	3.29	3.67E-01	2.20E+00	—	pCi/L	—	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	17.1	6.70E-01	2.31E+00	—	pCi/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	17.5	3.18E-01	2.09E+00	—	pCi/L	—	—	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	21.8	4.03E-01	2.58E+00	—	pCi/L	—	—	145579	GF05090G3TM01	GELC
MT-3	5261	44	04/20/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	28.8	3.18E-01	1.27E+00	—	pCi/L	—	—	135047	GF05040G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	15.8	6.67E-01	2.10E+00	—	pCi/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	16.8	7.07E-01	3.03E+00	—	pCi/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	21.2	3.50E-01	2.21E+00	—	pCi/L	—	—	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	24.6	6.00E-01	3.08E+00	—	pCi/L	—	—	145579	GU05090G3TM01	GELC
MT-3	5261	44	04/20/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	29.8	3.33E-01	1.37E+00	—	pCi/L	—	J	135047	GU05040G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	81.3	3.13E+01	2.70E+02	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	93.1	5.87E+01	3.08E+02	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	114	2.87E+01	2.93E+02	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	50.5	2.23E+01	2.35E+02	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	112	1.47E+01	1.20E+02	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	128	3.00E+01	3.40E+02	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.7	1.50E+01	1.74E+02	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	131	4.70E+01	4.32E+02	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	78.5	2.85E+01	2.02E+02	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.505	2.50E+00	2.10E+01	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.73	2.25E+00	2.05E+01	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.5	3.97E+00	2.69E+01	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.93	2.51E+00	2.52E+01	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.5	3.67E+00	3.60E+01	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.5	3.67E+00	3.40E+01	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.61	3.18E+00	2.89E+01	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.5	3.31E+00	2.84E+01	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.21	2.17E+00	2.35E+01	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-1.25E-09	2.47E-03	4.80E-02	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0107	2.37E-03	4.11E-02	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0106	2.05E-03	1.70E-02	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0125	3.53E-03	4.31E-02	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00425	1.00E-03	3.60E-02	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0155	3.23E-03	4.70E-02	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00784	3.70E-03	3.76E-02	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0084	1.62E-03	2.70E-02	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00399	3.63E-03	4.14E-02	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00783	2.30E-03	5.60E-02	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0128	2.26E-03	3.77E-02	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00353	1.86E-03	2.00E-02	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0083	2.94E-03	3.64E-02	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0191	2.13E-03	2.50E-02	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0802	5.67E-03	5.60E-02	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0157	2.07E-03	3.45E-02	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0084	1.62E-03	3.10E-02	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00599	2.58E-03	3.50E-02	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	37	7.00E+00	7.30E+01	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	50.4	8.03E+00	4.13E+01	—	pCi/L	UI	R	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	24.2	5.73E+00	3.41E+01	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	45.7	4.53E+00	5.82E+01	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	43.2	8.00E+00	4.40E+01	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	74	7.33E+00	4.20E+01	—	pCi/L	UI	R	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.62	5.03E+00	5.20E+01	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.1	3.53E+00	4.18E+01	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	36.2	3.87E+00	5.04E+01	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.147	6.00E-01	5.40E+00	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.16	4.47E-01	5.09E+00	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	3.18	3.40E-01	4.52E+00	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.47	6.23E-01	3.20E+00	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.911	5.00E-01	5.40E+00	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.39	4.33E-01	5.40E+00	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	4.43E-01	4.68E+00	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.16	3.50E-01	4.45E+00	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.53	4.10E-01	5.03E+00	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0631	1.73E-02	1.70E-01	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0168	3.25E-02	3.73E-01	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	1.99E-02	2.81E-01	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0503	1.39E-02	2.07E-01	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0832	4.00E-02	4.20E-01	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.127	2.67E-02	2.60E-01	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.332	4.20E-02	3.66E-01	—	pCi/L	U	U	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0773	1.69E-02	2.57E-01	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0152	1.50E-02	2.09E-01	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	887	3.67E+01	1.80E+02	—	pCi/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1010	3.67E+01	1.50E+02	—	pCi/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1200	4.80E+01	1.47E+02	—	pCi/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1510	5.73E+01	1.38E+02	—	pCi/L	—	—	187531	GU070600G3TM01	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2600	3.14E+01	1.70E+02	—	pCi/L	—	—	166354	GU060600G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.627	1.80E-02	8.40E-02	—	pCi/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.654	2.29E-02	5.62E-02	—	pCi/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.422	1.66E-02	7.34E-02	—	pCi/L	—	—	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.533	1.63E-02	9.18E-02	—	pCi/L	—	—	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.321	1.30E-02	8.50E-02	—	pCi/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.573	1.73E-02	9.40E-02	—	pCi/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.434	1.77E-02	5.74E-02	—	pCi/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.411	1.85E-02	9.63E-02	—	pCi/L	—	—	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.45	1.40E-02	8.47E-02	—	pCi/L	—	—	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0351	3.33E-03	4.20E-02	—	pCi/L	U	U	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0055	2.94E-03	4.80E-02	—	pCi/L	U	U	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00435	3.24E-03	6.19E-02	—	pCi/L	U	U	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0409	4.53E-03	6.91E-02	—	pCi/L	U	U	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0452	4.33E-03	4.90E-02	—	pCi/L	U	U	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.026	3.33E-03	4.60E-02	—	pCi/L	U	U	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0568	6.10E-03	4.91E-02	—	pCi/L	—	J	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0342	7.17E-03	8.12E-02	—	pCi/L	U	U	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0583	5.07E-03	6.38E-02	—	pCi/L	U	U	145579	GU05090G3TM01	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.431	1.37E-02	5.00E-02	—	pCi/L	—	—	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.425	1.74E-02	7.51E-02	—	pCi/L	—	—	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.317	1.45E-02	7.81E-02	—	pCi/L	—	—	166354	GF060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.413	1.36E-02	6.50E-02	—	pCi/L	—	—	145579	GF05090G3TM01	GELC
MT-3	5261	44	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.296	1.23E-02	5.50E-02	—	pCi/L	—	—	10-1617	CAMO-10-9298	GELC
MT-3	5261	44	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.576	1.73E-02	5.50E-02	—	pCi/L	—	—	08-599	CAMO-08-10502	GELC
MT-3	5261	44	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.579	2.13E-02	7.67E-02	—	pCi/L	—	—	191858	GU070800G3TM01	GELC
MT-3	5261	44	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.443	1.84E-02	1.02E-01	—	pCi/L	—	—	166354	GU060600G3TM01	GELC
MT-3	5261	44	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.391	1.29E-02	6.00E-02	—	pCi/L	—	—	145579	GU05090G3TM01	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.9	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.76	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.145	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.205	—	—	3.30E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.325	—	—	3.30E-02	mg/L	—	U	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.6	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.1	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.1	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.8	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.321	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.36	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.416	—	—	5.00E-02	mg/L	—	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.401	—	—	5.00E-02	mg/L	—	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.294	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.305	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.348	—	—	5.00E-02	ug/L	—	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.86	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-2878	CAMO-09-9551	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.57	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.37	—	—	1.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.39	—	—	1.00E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.52	—	—	1.00E-01	mg/L	—	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.585	—	—	3.30E-01	mg/L	J	J	10-535	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.993	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J-	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.3	—	—	1.50E+01	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	13.8	—	—	1.00E+01	ug/L	J	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.8	—	—	1.50E+01	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	14.8	—	—	1.00E+01	ug/L	J	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.64	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.98	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.7	—	—	2.50E+00	ug/L	—	—	10-808	CAMO-10-3899	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.52	—	—	2.50E+00	ug/L	J	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.63	—	—	1.50E+00	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.68	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.48	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.66	—	—	1.50E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8171	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.67	—	—	3.00E+00	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	62.1	—	—	3.00E+01	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.21	—	—	5.00E-01	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.81	—	—	2.00E+00	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.72	—	—	2.00E+00	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.39	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.5	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	7.35	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.78	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.1	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.27	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.2	—	—	5.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	3.20E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	3.20E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.8	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.3	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.2	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.859	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.973	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.881	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.874	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.6	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.14	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.91	—	—	1.00E+00	ug/L	—	J	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.46	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.84	—	—	1.00E+00	ug/L	—	J	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.24	—	—	3.30E+00	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.38	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	3.30E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	7.14	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00652	3.17E-03	3.00E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00412	1.72E-03	3.09E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00978	3.83E-03	2.65E-02	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00756	2.37E-03	3.40E-02	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	2.93E-03	3.30E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000048	4.67E-03	3.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.98E-03	3.32E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00944	3.37E-03	2.27E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.542	6.67E-01	6.50E+00	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.297	4.03E-01	3.97E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	8.9	2.08E+00	4.74E+00	—	pCi/L	UI	R	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.31	5.00E-01	5.30E+00	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.621	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.43	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.38	6.07E-01	5.14E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.5	3.57E-01	4.24E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.657	8.00E-01	7.80E+00	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.08	4.27E-01	3.15E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.93	8.93E-01	6.54E+00	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.58	5.33E-01	4.70E+00	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.239	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.71	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.35	5.83E-01	5.95E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.33	6.10E-01	5.34E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	33.1	4.00E+01	8.60E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	162	2.79E+01	3.81E+02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	99.8	3.47E+01	2.52E+02	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.2	2.10E+00	2.90E+01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.8	1.60E+01	6.00E+01	—	pCi/L	—	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.6	6.33E+00	2.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	141	3.57E+01	3.45E+02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.6	3.70E+01	2.75E+02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.8	4.67E+00	4.50E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15	4.73E+00	2.80E+01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.91	3.37E+00	3.51E+01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.7	3.33E+00	3.40E+01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.5	5.00E+00	3.30E+01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.92	4.33E+00	3.50E+01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.53	2.78E+00	2.50E+01	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.01	2.83E+00	3.06E+01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00757	2.10E-03	2.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.97E-03	3.58E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0405	5.63E-03	3.00E-02	—	pCi/L	U	R	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.00E-03	4.90E-02	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0152	2.60E-03	3.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00159	2.07E-03	2.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00165	9.53E-04	3.17E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00289	3.97E-03	2.78E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00303	1.77E-03	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0056	1.39E-03	3.29E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0436	5.33E-03	3.49E-02	—	pCi/L	U	R	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.000832	1.23E-03	3.40E-02	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0108	2.17E-03	4.20E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00318	1.50E-03	2.70E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00989	1.35E-03	2.90E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.87E-03	3.24E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	45.3	1.00E+01	6.30E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.02	5.50E+00	4.84E+01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	50.4	6.00E+00	8.23E+01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.4	5.67E+00	6.40E+01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-34.1	6.00E+00	5.40E+01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	46.9	8.67E+00	4.50E+01	—	pCi/L	UI	R	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	69.3	7.90E+00	4.38E+01	—	pCi/L	UI	R	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	4.93E+00	4.42E+01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0904	2.30E-02	2.30E-01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0738	2.97E-02	4.00E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.13	9.67E-02	5.80E-01	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.185	5.67E-02	6.00E-01	—	pCi/L	U	U	08-685	CAMO-08-10452	GELC
R-1	1701	1031.1	11/09/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.129	3.33E-02	3.50E-01	—	pCi/L	U	U	08-145	CASA-08-8065	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.948	1.07E-01	8.20E-01	—	pCi/L	—	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.879	8.67E-02	6.40E-01	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.42	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.804	8.00E-02	5.90E-01	—	pCi/L	—	—	08-685	CAMO-08-10452	GELC
R-1	1701	1031.1	11/09/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.349	5.00E-02	4.40E-01	—	pCi/L	U	U	08-145	CASA-08-8065	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.29	6.33E-01	5.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.587	4.30E-01	4.07E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.37	5.17E-01	5.07E+00	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.7	5.33E-01	4.90E+00	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.951	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.369	4.33E-01	4.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.661	5.23E-01	4.89E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.202	3.97E-01	4.59E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.49	5.00E-02	4.30E-01	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.456	1.95E-02	3.67E-01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0462	3.26E-02	4.80E-01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.33	5.33E-02	5.00E-01	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.155	3.67E-02	4.00E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.253	3.67E-02	3.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.24	2.55E-02	3.60E-01	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0595	2.06E-02	2.57E-01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.633	1.57E-02	5.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.659	2.24E-02	5.22E-02	—	pCi/L	—	—	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.41	2.54E-02	1.78E-01	—	pCi/L	—	J	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.759	2.87E-02	8.00E-02	—	pCi/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.747	2.23E-02	9.20E-02	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.698	1.97E-02	8.40E-02	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.67	2.24E-02	4.89E-02	—	pCi/L	—	—	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.554	3.04E-02	2.22E-01	—	pCi/L	—	J	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0261	2.37E-03	2.80E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.049	5.60E-03	4.46E-02	—	pCi/L	—	J	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0423	1.00E-02	1.50E-01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0345	5.33E-03	6.40E-02	—	pCi/L	U	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00597	2.83E-03	4.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00604	2.03E-03	4.50E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0266	4.07E-03	4.17E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0527	1.08E-02	1.87E-01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.246	8.00E-03	2.70E-02	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.273	1.34E-02	6.97E-02	—	pCi/L	—	—	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.222	1.67E-02	1.90E-01	—	pCi/L	—	J	166714	GF060500G01R01	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.267	1.40E-02	5.70E-02	—	pCi/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.333	1.23E-02	4.60E-02	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.232	9.00E-03	4.40E-02	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.278	1.25E-02	6.53E-02	—	pCi/L	—	—	191539	GU070800G01R01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.256	1.95E-02	2.36E-01	—	pCi/L	—	J	166714	GU060500G01R01	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.7	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.4	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.288	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.454	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.35	—	—	3.30E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	50.7	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	50	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.6	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9346	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.715	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.72	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.75	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	UJ	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.71	—	—	5.00E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.76	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.342	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.41	—	—	5.00E-02	ug/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.394	—	—	5.00E-02	ug/L	—	J	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.09	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.38	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.9	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	uS/cm	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.11	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.16	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.89	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	J-	09-1680	CAMO-09-8179	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	J	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.604	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.639	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-493	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.453	—	—	3.30E-01	mg/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1680	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	4.12	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.12	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.23	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.92	—	—	1.50E+00	ug/L	J	J	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	1.50E+00	ug/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.07	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.93	—	—	2.50E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.36	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.91	—	—	1.50E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.3	—	—	3.00E+01	ug/L	J	J	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.982	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9345	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.931	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.928	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	70.4	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.5	—	—	3.20E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	3.20E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.476	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.471	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	ug/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	ug/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.467	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.498	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.496	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.17	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9345	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.65	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.59	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.58	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.58	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.34	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9346	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.53	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00651	3.20E-03	2.90E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00104	1.27E-03	3.98E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0164	6.73E-03	5.04E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00306	3.33E-03	3.30E-02	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00813	1.20E-03	2.70E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	4.00E-03	3.10E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000397	1.97E-03	4.14E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0111	4.47E-03	5.22E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.67	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.136	4.07E-01	3.45E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.84	3.23E-01	3.79E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.65	7.33E-01	7.60E+00	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.73	5.00E-01	5.40E+00	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.136	4.33E-01	4.30E+00	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.3	3.73E-01	3.88E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.347	3.09E-01	3.39E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.1	5.00E-01	6.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.16	3.31E-01	2.83E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	3.63E-01	3.84E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.69	5.33E-01	6.10E+00	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.432	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.19	5.33E-01	4.60E+00	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.11	3.67E-01	3.91E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.605	3.23E-01	3.76E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	3.56	1.40E+00	6.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	102	2.20E+01	3.38E+02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	93	2.61E+01	2.63E+02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.69	1.20E+00	1.00E+01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67	2.33E+01	6.50E+01	—	pCi/L	—	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.66	3.33E+00	1.40E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	82.7	2.40E+01	2.50E+02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72	2.41E+01	2.58E+02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.6	3.17E+00	3.00E+01	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.92	2.89E+00	2.49E+01	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.11	3.19E+00	2.42E+01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.64	2.47E+00	2.30E+01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.8	4.00E+00	3.70E+01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.62	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.1	3.00E+00	2.81E+01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.13	1.65E+00	1.66E+01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00172	1.50E-03	2.40E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00419	2.61E-03	4.02E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0024	8.00E-04	2.30E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0022	1.27E-03	3.80E-02	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0147	3.13E-03	2.80E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.70E-03	2.50E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.002	2.59E-03	3.84E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0082	1.23E-03	1.60E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00343	8.00E-04	2.90E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.97E-03	3.69E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.13E-03	2.70E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.31E-10	1.03E-03	2.70E-02	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0055	1.63E-03	3.40E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00357	8.33E-04	3.00E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00601	1.50E-03	3.53E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00492	9.50E-04	1.80E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.0844	5.33E+00	5.40E+01	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.5	4.57E+00	4.50E+01	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7	6.40E+00	3.78E+01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.04	6.33E+00	6.80E+01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	31.1	4.67E+00	5.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.6	5.67E+00	5.90E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.58	5.27E+00	4.92E+01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	39.3	4.43E+00	5.49E+01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.33	4.67E-02	3.30E-01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.081	2.10E-02	2.20E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.27	4.67E-02	4.40E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0433	3.67E-02	4.80E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	1741	958.3	11/09/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.211	3.33E-02	3.00E-01	—	pCi/L	U	U	08-145	CASA-08-8110	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0254	6.67E-02	7.90E-01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.853	1.10E-01	9.30E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.00835	7.00E-02	7.70E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.317	9.33E-02	9.30E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	1741	958.3	11/09/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.811	8.33E-02	6.30E-01	—	pCi/L	—	—	08-145	CASA-08-8110	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.854	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.33	3.70E-01	3.96E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.133	3.53E-01	3.89E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0559	5.00E-01	4.80E+00	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.33	5.00E-01	5.30E+00	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.827	3.67E-01	3.40E+00	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.00986	3.70E-01	3.64E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.691	3.50E-01	4.04E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.202	4.33E-02	4.10E-01	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.182	2.24E-02	3.12E-01	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0411	2.21E-02	3.11E-01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	3.20E-02	3.20E-01	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.141	3.33E-02	3.40E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0642	3.67E-02	3.90E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00309	3.27E-02	3.61E-01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.184	1.83E-02	2.99E-01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.242	9.67E-03	8.00E-02	—	pCi/L	—	—	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.289	1.32E-02	4.86E-02	—	pCi/L	—	—	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.255	9.30E-03	4.37E-02	—	pCi/L	—	—	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.176	1.10E-02	8.00E-02	—	pCi/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.217	8.33E-03	6.80E-02	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.305	1.07E-02	7.20E-02	—	pCi/L	—	—	08-1683	CAMO-08-14532	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.274	1.41E-02	5.77E-02	—	pCi/L	—	—	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.259	1.04E-02	5.57E-02	—	pCi/L	—	—	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0201	2.90E-03	4.30E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00956	3.01E-03	4.15E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	2.12E-03	3.68E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0125	2.97E-03	6.30E-02	—	pCi/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0022	1.93E-03	3.30E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.60E-03	3.80E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.000057	2.34E-03	4.92E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0132	3.83E-03	4.70E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.67E-03	4.20E-02	—	pCi/L	—	—	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.153	9.37E-03	6.49E-02	—	pCi/L	—	J	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.134	6.23E-03	4.64E-02	—	pCi/L	—	J	166561	GF060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.136	9.67E-03	5.70E-02	—	pCi/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	5.33E-03	3.40E-02	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.106	5.67E-03	3.80E-02	—	pCi/L	—	—	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.138	1.01E-02	7.70E-02	—	pCi/L	—	J	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.131	7.73E-03	5.92E-02	—	pCi/L	—	J	166561	GU060500G13R01	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.55	—	—	3.00E-01	ug/L	J	J	10-1816	CAMO-10-9344	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	10-493	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	09-2806	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	U	08-1684	CAMO-08-14532	GELC
R-13	1741	958.3	05/14/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	ug/L	U	U	08-1155	CAMO-08-12771	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.97	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.995	—	—	7.30E-01	mg/L	J	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.05	—	—	7.30E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61	—	—	7.30E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.6	—	—	7.30E-01	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.00E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	J+	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.72	—	—	6.60E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.68	—	—	6.60E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.497	—	—	3.30E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.387	—	—	3.30E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.24	—	—	3.30E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.6	—	—	3.50E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.9	—	—	3.50E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.1	—	—	3.50E-01	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.1	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.04	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.285	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.127	—	—	1.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.232	—	—	5.00E-02	mg/L	J	J	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.26	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.288	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.27	—	—	5.00E-02	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.268	—	—	5.00E-02	ug/L	—	J	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	124	—	—	1.00E+00	uS/cm	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	125	—	—	1.00E+00	uS/cm	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	uS/cm	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	uS/cm	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.92	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.04	—	—	1.00E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.03	—	—	1.00E-01	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.347	—	—	3.30E-01	mg/L	J	J	10-1614	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	10-369	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.58	—	—	3.30E-01	mg/L	J	J	09-2820	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.792	—	—	3.30E-01	mg/L	J	J	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.41	—	—	1.00E-02	SU	H	J-	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.7	—	—	1.00E+00	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.28	—	—	2.50E+00	ug/L	J	J	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.45	—	—	2.50E+00	ug/L	J	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.92	—	—	1.50E+00	ug/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	ug/L	J	J	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	2.50E+00	ug/L	J	J	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.65	—	—	2.50E+00	ug/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.35	—	—	1.50E+00	ug/L	—	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	1.50E+00	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.17	—	—	1.00E-01	ug/L	—	U	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-2821	CAMO-09-9573	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.15	—	—	1.00E-01	ug/L	—	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.7	—	—	5.30E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.1	—	—	3.20E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.6	—	—	3.20E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.2	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.7	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.9	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.836	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.917	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.928	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	J	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.869	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.944	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	J	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.96	—	—	5.00E-02	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.63	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.41	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.04	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.79	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.74	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.51	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.67	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	ug/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	1.43E-03	4.30E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00935	2.87E-03	3.40E-02	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00114	5.67E-04	3.30E-02	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.10E-03	2.80E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	1.23E-03	3.70E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00164	1.17E-03	5.50E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.843	5.67E-01	5.30E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.79	5.67E-01	5.90E+00	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0844	5.00E-01	5.00E+00	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.4	4.00E-01	3.60E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.51	4.00E-01	3.80E+00	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.01	3.67E-01	3.90E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.14	5.00E-01	5.50E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.54	5.33E-01	5.80E+00	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.28	5.67E-01	6.10E+00	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.395	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.721	4.67E-01	5.00E+00	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.83	5.00E-01	4.10E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	125	9.33E+00	6.10E+01	—	pCi/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	132	1.53E+01	1.30E+02	—	pCi/L	—	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	40.4	7.00E+00	3.80E+01	—	pCi/L	—	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	70.4	6.33E+00	5.00E+01	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	98.1	1.30E+01	8.30E+01	—	pCi/L	—	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.5	4.33E+00	3.10E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.4	4.00E+00	4.10E+01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	40.6	7.33E+00	4.90E+01	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.5	4.00E+00	3.40E+01	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.3	3.20E+00	3.00E+01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-15.9	3.33E+00	3.10E+01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.98	3.27E+00	3.40E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.014	4.67E-03	4.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.30E-02	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00299	1.40E-03	2.50E-02	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00199	1.50E-03	3.20E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00213	1.00E-03	3.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0184	3.07E-03	3.30E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0224	4.00E-03	5.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.16E-10	9.33E-04	2.30E-02	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	7.00E-04	2.50E-02	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00199	1.50E-03	3.90E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00213	7.00E-04	4.10E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00461	2.43E-03	4.60E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	22.9	6.00E+00	6.70E+01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	53.2	6.67E+00	8.00E+01	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.4	6.33E+00	6.40E+01	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.14	5.33E+00	5.70E+01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	5.00E+00	5.80E+01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.22	4.33E+00	4.40E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.411	5.00E-02	3.90E-01	—	pCi/L	—	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.242	3.33E-02	2.40E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.261	4.00E-02	3.50E-01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.183	8.33E-02	8.90E-01	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.736	9.67E-02	8.70E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.427	6.33E-02	5.80E-01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.39	5.67E-01	5.30E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	6.00E-01	6.20E+00	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.04	5.67E-01	5.80E+00	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0962	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.547	4.33E-01	4.10E+00	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.994	4.67E-01	4.80E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.101	2.53E-02	2.90E-01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.181	3.67E-02	4.50E-01	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.185	4.67E-02	4.80E-01	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.394	5.00E-02	4.90E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.148	4.00E-02	4.30E-01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0236	4.33E-02	4.80E-01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.511	1.63E-02	9.10E-02	—	pCi/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.51	1.77E-02	7.90E-02	—	pCi/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.53	1.80E-02	9.30E-02	—	pCi/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.548	1.87E-02	1.10E-01	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.516	1.67E-02	9.50E-02	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.496	1.43E-02	5.60E-02	—	pCi/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0252	2.87E-03	4.20E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0313	4.00E-03	4.50E-02	—	pCi/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00321	2.40E-03	4.70E-02	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0278	3.33E-03	5.30E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0232	2.80E-03	4.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	1.93E-03	2.60E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.274	1.07E-02	4.50E-02	—	pCi/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.335	1.30E-02	5.10E-02	—	pCi/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.291	1.17E-02	5.70E-02	—	pCi/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.281	1.17E-02	5.30E-02	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.317	1.17E-02	4.70E-02	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.315	1.00E-02	3.40E-02	—	pCi/L	—	—	09-941	CAMO-09-2862	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.4	—	—	7.30E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.3	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.1	—	—	7.30E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.21	—	—	6.60E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.06	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.4	—	—	6.60E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.18	—	—	3.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.236	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.351	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	3.50E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.8	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.2	—	—	3.50E-01	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.8	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.16	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.25	—	—	1.00E-01	mg/L	—	J	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.01	—	—	1.00E-01	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.97	—	—	5.00E-01	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.01	—	—	5.00E-01	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.39	—	—	5.00E-01	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.74	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.79	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	uS/cm	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	uS/cm	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	09-1717	CAMO-09-8174	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.62	—	—	1.00E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.11	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.02	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.71	—	—	1.00E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.63	—	—	3.30E-01	mg/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.786	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.701	—	—	3.30E-01	mg/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1716	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.31	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.82	—	—	2.50E+00	ug/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	ug/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	ug/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.49	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.1	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.3	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.97	—	—	2.50E+00	ug/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.3	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.5	—	—	3.00E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.8	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	138	—	—	3.00E+01	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	127	—	—	3.00E+01	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.9	—	—	2.50E+01	ug/L	J	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.82	—	—	5.00E-01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.943	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.871	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	5.00E-01	ug/L	J	J	10-1823	CAMO-10-9324	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.894	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.887	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.6	—	—	5.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.1	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.428	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.388	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.425	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.467	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.09	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.13	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.58	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.2	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.2	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.5	—	—	3.30E+00	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.29	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8173	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.025	—	—	1.60E-02	mg/L	J	J-	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.016	—	—	1.60E-02	mg/L	J	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.48	—	—	6.60E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.45	—	—	6.60E-02	mg/L	—	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.5	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.9	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.68	—	—	8.50E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.92	—	—	8.50E-02	mg/L	—	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.67	—	—	8.50E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.422	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.462	—	—	5.00E-02	mg/L	—	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.44	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0961	—	—	5.00E-02	ug/L	J	J	09-801	CAMO-09-2639	GELC
R-16	8861	863.4	11/03/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0692	—	—	5.00E-02	ug/L	J	J	09-207	CAMO-09-822	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.67	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.153	—	—	3.30E-02	mg/L	—	J	10-1721	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.373	—	—	3.30E-01	mg/L	J	J	10-1721	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.542	—	—	3.30E-01	mg/L	J	J	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.8	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.97	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.04	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.11	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9388	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.45	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.8	—	—	3.00E+01	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.7	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.14	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.6	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.13	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.51	—	—	5.00E-01	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.649	—	—	5.00E-01	ug/L	J	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.2	—	—	5.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.8	—	—	5.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.85	—	—	3.30E+00	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	3.30E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	3.30E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.5	—	—	3.30E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00853	1.73E-03	3.00E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00468	1.87E-03	3.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00576	1.70E-03	3.11E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.52	3.67E-01	3.60E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.33	5.67E-01	5.00E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.97	5.20E-01	4.33E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.388	3.67E-01	3.70E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.591	6.33E-01	6.50E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.75	5.20E-01	4.21E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.13	3.03E-01	2.30E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.29	2.40E-01	2.10E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.33	2.33E-01	2.20E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.29	2.67E-01	2.60E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.85	2.63E-01	2.50E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	257	2.20E+01	1.70E+02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	236	2.43E+01	1.40E+02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	125	3.67E+01	3.57E+02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.8	4.00E+00	3.00E+01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	36.3	5.00E+00	4.90E+01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.44	3.87E+00	3.67E+01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00403	1.17E-03	3.40E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00276	1.60E-03	4.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.011	1.75E-03	1.16E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00201	1.17E-03	2.30E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00552	3.20E-03	4.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00315	1.48E-03	1.82E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	7.67E+00	3.70E+01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.43	7.67E+00	7.50E+01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.5	7.67E+00	4.34E+01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.485	7.00E-02	5.40E-01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.335	5.00E-02	4.50E-01	—	pCi/L	U	U	08-1657	CAMO-08-14842	GELC
R-16	8861	863.4	02/13/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.477	6.67E-02	5.60E-01	—	pCi/L	U	U	08-628	CAMO-08-10469	GELC
R-16	8861	863.4	12/02/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	23.8	1.76E+00	8.87E+00	—	pCi/L	—	JN+	126750	GU0411G16R201	GELC
R-16	8861	863.4	10/13/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	2.5	1.45E+00	6.63E+00	—	pCi/L	U	U	123850	GU0409G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.557	9.33E-02	8.70E-01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.306	6.00E-02	5.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14842	GELC
R-16	8861	863.4	02/13/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.375	7.33E-02	7.00E-01	—	pCi/L	U	U	08-628	CAMO-08-10469	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.307	3.33E-01	3.30E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.97	7.00E-01	7.20E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.47	4.73E-01	5.17E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0607	3.07E-02	3.70E-01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0121	4.33E-02	4.50E-01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0271	2.76E-02	3.37E-01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.587	1.70E-02	4.70E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.534	1.63E-02	7.30E-02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.238	8.10E-03	4.10E-02	—	pCi/L	—	—	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0332	2.87E-03	2.70E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0251	2.70E-03	3.70E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00986	2.19E-03	2.90E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.356	1.17E-02	3.00E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.337	1.17E-02	4.50E-02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.145	5.80E-03	3.74E-02	—	pCi/L	—	—	182192	GU07030G16R201	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	10.6	—	—	3.50E+00	ug/L	—	—	10-1721	CAMO-10-9391	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	10.4	—	—	3.50E+00	ug/L	—	—	10-1721	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	17.6	—	—	3.50E+00	ug/L	—	J	10-632	CAMO-10-3150	GELC
R-16	8871	1237	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-12326	GELC
R-16	8871	1237	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3194	GELC
R-16	8871	1237	02/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	—	0.28	—	—	2.50E-01	ug/L	J	J	10-1721	CAMO-10-12325	GELC
R-16	8871	1237	11/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	—	0.375	—	—	2.50E-01	ug/L	J	J	10-632	CAMO-10-3193	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.9	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.4	—	—	7.30E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.4	—	—	7.30E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.5	—	—	7.30E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	3.00E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.4	—	—	6.60E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.4	—	—	6.60E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.385	—	—	3.30E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.515	—	—	3.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.473	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.435	—	—	3.30E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.5	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	3.50E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	3.50E-01	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.609	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.771	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.85	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.731	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.724	—	—	8.50E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.82	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.72	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.868	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.713	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.743	—	—	8.50E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.411	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.401	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	ug/L	—	J	10-1646	CAMO-10-9340	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.383	—	—	5.00E-02	ug/L	—	J	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.01	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	4.50E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	4.50E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.25	—	—	1.00E-01	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.24	—	—	1.00E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.51	—	—	1.00E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.39	—	—	1.00E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	112	—	—	2.40E+00	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-1645	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.406	—	—	3.30E-01	mg/L	J	J	10-535	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2840	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1716	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.773	—	—	3.30E-01	mg/L	J	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.44	—	—	1.00E-02	SU	H	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-1717	CAMO-09-8191	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.5	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.9	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.2	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.6	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.9	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.7	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.14	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.38	—	—	2.50E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	1.50E+00	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.54	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	2.50E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.61	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	1.50E+00	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.971	—	—	5.00E-01	ug/L	J	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.33	—	—	5.00E-01	ug/L	J	J	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.07	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.995	—	—	5.00E-01	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.8	—	—	5.00E-01	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.3	—	—	5.30E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.3	—	—	5.30E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.6	—	—	3.20E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	176	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	E	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	190	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	E	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.3	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	ug/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.17	—	—	3.30E+00	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.54	—	—	3.30E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.6	—	—	3.30E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.53	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.1	—	—	2.00E+00	ug/L	—	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.98	—	—	3.30E+00	ug/L	J	J	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	3.30E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.45	—	—	3.30E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.38	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.5	—	—	2.00E+00	ug/L	—	J	09-903	CAMO-09-2619	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	1.33E-03	2.90E-02	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00137	5.70E-04	4.16E-02	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	8.67E-04	4.10E-02	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0105	2.87E-03	3.30E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00119	8.67E-04	2.70E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00929	3.00E-03	4.18E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0141	2.49E-03	3.75E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.552	3.67E-01	3.40E+00	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.54	4.77E-01	4.21E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.59	8.67E-01	7.90E+00	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.119	4.67E-01	4.50E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.483	3.10E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.76	4.40E-01	3.81E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.829	3.83E-01	3.90E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.821	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.911	4.87E-01	5.07E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.379	6.67E-01	6.80E+00	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.43	4.67E-01	4.10E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.377	3.27E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.119	5.23E-01	5.04E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.13	2.95E-01	3.80E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	16.5	5.33E+00	3.50E+01	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	79.1	1.69E+01	2.09E+02	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	161	3.13E+01	1.80E+02	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.8	8.33E+00	6.30E+01	—	pCi/L	—	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.1	4.67E+00	3.60E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.9	1.86E+01	2.08E+02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.2	2.01E+01	2.59E+02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.83	2.43E+00	2.30E+01	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.7	3.70E+00	3.34E+01	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.51	3.10E+00	3.20E+01	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.2	4.33E+00	3.90E+01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.71	2.17E+00	2.20E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.05	3.17E+00	3.24E+01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.32	3.05E+00	2.92E+01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00215	2.37E-03	3.00E-02	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00193	6.43E-04	3.70E-02	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.67E-04	4.30E-02	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00198	1.13E-03	3.20E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00837	1.70E-03	2.90E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.84E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00459	5.53E-03	4.41E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00645	1.23E-03	3.70E-02	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00193	1.44E-03	3.40E-02	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00765	1.70E-03	3.00E-02	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00395	1.87E-03	3.90E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00627	1.57E-03	3.60E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.67E-04	3.52E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00459	2.65E-03	5.14E-02	—	pCi/L	U	U, J	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.2	5.67E+00	5.50E+01	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-13	6.37E+00	5.60E+01	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.1	8.00E+00	7.10E+01	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.1	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.4	4.67E+00	4.60E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.2	6.37E+00	6.18E+01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29	4.17E+00	5.26E+01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.267	3.30E-02	2.30E-01	—	pCi/L	—	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.35	4.33E-02	3.40E-01	—	pCi/L	—	U	09-2841	CAMO-09-9556	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.281	4.33E-02	3.80E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.42	4.67E-02	3.60E-01	—	pCi/L	—	—	08-594	CAMO-08-10465	GELC
R-16r	6341	600	11/13/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.763	8.00E-02	6.10E-01	—	pCi/L	—	—	08-221	CAMO-08-8602	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.311	8.00E-02	8.20E-01	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.347	8.33E-02	8.30E-01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0735	5.33E-02	6.30E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.782	7.00E-02	5.10E-01	—	pCi/L	—	—	08-594	CAMO-08-10465	GELC
R-16r	6341	600	11/13/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.575	8.00E-02	7.10E-01	—	pCi/L	U	U	08-221	CAMO-08-8602	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.695	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.678	4.47E-01	4.55E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.77	7.00E-01	7.10E+00	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.454	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.409	3.07E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.292	5.13E-01	4.94E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.06	1.19E+00	3.62E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0616	1.40E-02	1.50E-01	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.417	5.03E-02	4.58E-01	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.193	4.67E-02	4.70E-01	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0903	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0416	2.50E-02	2.50E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.234	4.73E-02	4.62E-01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00213	3.15E-02	3.63E-01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.822	2.53E-02	1.50E-01	—	pCi/L	—	—	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.602	2.13E-02	5.10E-02	—	pCi/L	—	—	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.763	2.23E-02	6.10E-02	—	pCi/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.738	2.33E-02	9.90E-02	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.742	2.40E-02	1.50E-01	—	pCi/L	—	—	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.683	2.35E-02	5.56E-02	—	pCi/L	—	—	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.817	2.90E-02	1.09E-01	—	pCi/L	—	—	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0411	7.00E-03	8.20E-02	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0151	3.60E-03	4.36E-02	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0271	2.93E-03	3.50E-02	—	pCi/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0224	2.87E-03	4.80E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0207	5.00E-03	8.20E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	3.90E-03	4.75E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00643	9.83E-03	9.20E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.39	1.63E-02	7.50E-02	—	pCi/L	—	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.412	1.67E-02	6.81E-02	—	pCi/L	—	—	192106	GF07080GR16A01	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.355	1.27E-02	4.00E-02	—	pCi/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.451	1.60E-02	4.90E-02	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.478	1.80E-02	7.50E-02	—	pCi/L	—	—	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.496	1.91E-02	7.43E-02	—	pCi/L	—	—	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.484	2.22E-02	1.15E-01	—	pCi/L	—	—	169741	GU06080GR16A01	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.6	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.5	—	—	7.30E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.233	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.224	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.17	—	—	6.60E-02	mg/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.232	—	—	6.70E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.4	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.1	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.9	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.8	—	—	3.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29.4	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.1	—	—	6.60E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29.5	—	—	6.60E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.7	—	—	1.30E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00239	—	—	1.70E-03	mg/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0045	—	—	1.70E-03	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/14/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.00516	—	—	1.50E-03	mg/L	—	U	08-1156	CAMO-08-12768	GELC
R-28	1781	934.3	02/15/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.005	—	—	1.50E-03	mg/L	—	—	08-643	CAMO-08-10442	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.317	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.384	—	—	3.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.305	—	—	3.30E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	154	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	141	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	152	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	151	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	157	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	144	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.7	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.98	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.47	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.17	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.67	—	—	1.00E-01	mg/L	—	J-	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.25	—	—	2.50E-01	mg/L	—	J	09-1701	CAMO-09-8178	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.3	—	—	1.00E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.815	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.97	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.974	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.802	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.921	—	—	5.00E-02	ug/L	—	J	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	373	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	391	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	372	—	—	1.00E+00	uS/cm	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	368	—	—	1.00E+00	uS/cm	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.1	—	—	5.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	44.6	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	43	—	—	1.00E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.6	—	—	1.00E+00	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	46.3	—	—	2.00E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	318	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	300	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	279	—	—	2.40E+00	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.406	—	—	3.30E-01	mg/L	J	J	10-1614	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.957	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.414	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.372	—	—	3.30E-01	mg/L	J	J	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.489	—	—	3.30E-01	mg/L	J	J	09-863	CAMO-09-2625	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.8	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	321	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	358	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	383	—	—	2.50E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	388	—	—	7.50E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	325	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	365	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	395	—	—	2.50E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	427	—	—	7.50E+00	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.19	—	—	1.00E+00	ug/L	J	J	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.35	—	—	3.00E+00	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.9	—	—	3.00E+01	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	47.3	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	184	—	—	2.50E+01	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.826	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.803	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.764	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.763	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.827	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.761	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.6	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3130	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.3	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.3	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	3.20E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.1	—	—	3.20E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	158	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.42	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.22	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5.95	—	—	1.00E+00	ug/L	—	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.99	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.17	—	—	1.00E+00	ug/L	—	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.03	—	—	3.30E+00	ug/L	J	J	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.83	—	—	3.30E+00	ug/L	J	J	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.77	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.65	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.16	—	—	3.30E+00	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.95	—	—	3.30E+00	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.98	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.87	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8177	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00000352	—	—	3.52E-06	ug/L	J	J	10-1498	CAMO-10-9361	ALTC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000315	—	—	3.15E-06	ug/L	JB	U	10-425	CAMO-10-3196	ALTC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000191	—	—	1.91E-06	ug/L	U	U	09-2888	CAMO-09-9578	ALTC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000932	—	—	9.32E-06	ug/L	U	U	09-1762	CAMO-09-8200	ALTC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000239	—	—	2.39E-06	ug/L	U	U	09-975	CAMO-09-2865	ALTC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.1	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	7.30E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	3.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	3.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	3.00E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	3.00E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.15	—	—	6.60E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.38	—	—	6.60E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.41	—	—	6.60E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.223	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.414	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.5	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.3	—	—	3.50E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.7	—	—	3.50E-01	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.75	—	—	8.50E-02	mg/L	—	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.487	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.37	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.451	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.404	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-01	mg/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-01	mg/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	4.50E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	uS/cm	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.9	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.92	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.24	—	—	1.00E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.363	—	—	3.30E-01	mg/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.763	—	—	3.30E-01	mg/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.606	—	—	3.30E-01	mg/L	J	J	09-2889	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.741	—	—	3.30E-01	mg/L	J	J	09-1763	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	09-966	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	09-967	CAMO-09-2864	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.95	—	—	1.50E+00	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.46	—	—	1.50E+00	ug/L	J	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.39	—	—	1.50E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.08	—	—	1.50E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.3	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.7	—	—	1.00E+00	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.7	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	ug/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.82	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.61	—	—	2.50E+00	ug/L	J	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.62	—	—	1.50E+00	ug/L	—	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	1.50E+00	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.86	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.99	—	—	2.50E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.03	—	—	1.50E+00	ug/L	—	U	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.7	—	—	1.50E+00	ug/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	55.8	—	—	3.00E+01	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	44.6	—	—	3.00E+01	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30	—	—	2.50E+01	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	27.7	—	—	2.50E+01	ug/L	J	J	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	ug/L	—	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9578	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	ug/L	—	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.937	—	—	5.00E-01	ug/L	J	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.984	—	—	5.00E-01	ug/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.8	—	—	5.00E-01	ug/L	J	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.976	—	—	5.00E-01	ug/L	J	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	J	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78	—	—	5.30E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	3.20E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	3.20E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.3	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.3	—	—	1.00E+00	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.5	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	ug/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.951	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.855	—	—	5.00E-02	ug/L	—	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.88	—	—	5.00E-02	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	ug/L	—	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	ug/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.36	—	—	3.30E+00	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.83	—	—	3.30E+00	ug/L	J	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.66	—	—	3.30E+00	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.67	—	—	2.00E+00	ug/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	2.00E+00	ug/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.83	—	—	3.30E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.98	—	—	3.30E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.15	—	—	3.30E+00	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.28	—	—	2.00E+00	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.5	—	—	2.00E+00	ug/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000537	1.57E-03	3.90E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00379	4.67E-03	5.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00518	4.00E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	9.67E-04	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00793	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0111	1.90E-03	4.40E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00357	5.00E-03	6.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.41	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.94	4.00E-01	3.20E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.48	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.41	3.67E-01	3.20E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.03	4.67E-01	4.00E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	4.67E-01	4.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.794	4.33E-01	4.20E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.71	3.33E-01	3.90E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.35	4.67E-01	4.60E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0141	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0574	4.00E-01	3.80E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.84	4.67E-01	5.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.226	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.48	5.00E-01	4.30E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.165	1.67E-01	2.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.704	1.93E-01	2.00E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	2.70E-01	2.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.28	1.63E-01	1.20E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.41	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.165	1.67E-01	2.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.704	1.93E-01	2.00E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.03	2.70E-01	2.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.28	1.63E-01	1.20E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.27E-01	2.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.84	2.77E-01	2.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.4	3.20E-01	2.50E+00	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.4	3.27E-01	2.90E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.14	2.47E-01	2.10E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.6	4.67E+00	2.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	22.2	8.67E+00	5.70E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	31.5	4.00E+00	4.00E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55.4	1.13E+01	7.70E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	27.9	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	33.4	7.67E+00	6.70E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.6	6.00E+00	3.30E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.38	3.20E+00	3.10E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.53	2.80E+00	2.80E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.856	3.67E+00	3.50E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	20	3.30E+00	3.20E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.41	4.00E+00	3.60E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.13	3.67E+00	3.60E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-20.2	3.67E+00	3.30E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00433	1.03E-03	3.40E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00484	4.00E-03	3.50E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00442	1.03E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00197	1.13E-03	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00234	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00834	4.33E-03	3.30E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00513	1.20E-03	3.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00433	1.43E-03	4.20E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	3.33E-03	4.80E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00221	7.33E-04	2.60E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0059	1.73E-03	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00234	1.10E-03	4.60E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0104	2.10E-03	4.00E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00256	1.90E-03	5.10E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3.82	5.67E+00	5.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	6.8	5.67E+00	6.20E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	5.67E+00	6.00E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.9	6.67E+00	3.00E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.99	5.67E+00	5.50E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.6	5.33E+00	5.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12	5.33E+00	3.70E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	06/27/05	WG	F	CS	—	Rad	EPA:903.1	Radium-226	—	0.579	6.80E-02	5.35E-01	—	pCi/L	—	J	139722	GF0506G33R101	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.777	7.00E-02	3.70E-01	—	pCi/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0936	3.67E-02	3.80E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0296	3.67E-02	4.80E-01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	06/27/05	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.706	7.20E-02	5.07E-01	—	pCi/L	—	J	139722	GU0506G33R101	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.586	8.33E-02	7.40E-01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.336	9.67E-02	9.90E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.141	5.33E-02	5.60E-01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.935	3.67E-01	4.00E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.317	4.67E-01	3.80E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.354	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.35	4.67E-01	4.20E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.3	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.01	4.33E-01	4.90E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.213	4.33E-01	4.00E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.209	4.00E-02	4.00E-01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.171	4.67E-02	4.70E-01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.298	4.67E-02	4.50E-01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.167	4.00E-02	3.90E-01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.269	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	3.67E-02	3.90E-01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0624	4.00E-02	4.10E-01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.402	1.43E-02	9.60E-02	—	pCi/L	—	—	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.476	1.40E-02	5.70E-02	—	pCi/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.472	1.60E-02	7.10E-02	—	pCi/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.502	1.53E-02	6.60E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.525	1.73E-02	9.60E-02	—	pCi/L	—	—	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.492	1.57E-02	8.90E-02	—	pCi/L	—	—	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.477	1.40E-02	6.10E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00295	3.67E-03	4.50E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0165	1.87E-03	2.60E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0282	3.20E-03	4.10E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0342	3.33E-03	3.40E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0187	3.30E-03	4.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00815	1.57E-03	4.10E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0334	2.80E-03	2.80E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.263	1.07E-02	4.80E-02	—	pCi/L	—	—	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.275	9.33E-03	3.40E-02	—	pCi/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.287	1.13E-02	4.60E-02	—	pCi/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.255	9.33E-03	4.10E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.275	1.10E-02	4.80E-02	—	pCi/L	—	—	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.33E-03	4.40E-02	—	pCi/L	—	—	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.297	1.00E-02	3.60E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.6	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.018	—	—	1.60E-02	mg/L	J	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.87	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/06/09	WG	F	RE	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.02	—	—	6.60E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.04	—	—	6.60E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.158	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.165	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.394	—	—	3.30E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.223	—	—	3.30E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.4	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	3.50E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.9	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.27	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	8.50E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.317	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.361	—	—	5.00E-02	mg/L	—	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.314	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.448	—	—	5.00E-02	mg/L	—	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.304	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.322	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.38	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.376	—	—	5.00E-02	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.87	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.2	—	—	5.00E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.35	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.14	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9580	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	uS/cm	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.23	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.24	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/06/09	WG	F	RE	—	Geninorg	EPA:300.0	Sulfate	—	2.18	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.17	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.35	—	—	1.00E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.16	—	—	1.00E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	J	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.02	—	—	1.50E+00	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.46	—	—	1.50E+00	ug/L	—	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.59	—	—	1.50E+00	ug/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.1	—	—	1.50E+00	ug/L	J	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.02	—	—	1.50E+00	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.77	—	—	1.50E+00	ug/L	J	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	1.6	—	—	1.50E+00	ug/L	J	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.3	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.32	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.79	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.52	—	—	1.50E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	ug/L	—	—	09-797	CAMO-09-2867	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.55	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.93	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.22	—	—	1.50E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	43.1	—	—	2.50E+01	ug/L	J	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	36.8	—	—	3.00E+01	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.3	—	—	3.00E+01	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.998	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.995	—	—	1.00E-01	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.00E-01	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.633	—	—	5.00E-01	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	ug/L	J	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	ug/L	J	J	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	5.30E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	3.20E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	3.20E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.8	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.6	—	—	1.00E+00	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.985	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.996	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.959	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000644	7.67E-04	4.00E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0153	2.37E-03	3.80E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00323	8.67E-04	3.20E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00308	7.00E-04	2.80E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00659	1.60E-03	3.20E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00101	8.00E-04	4.10E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0109	2.40E-03	4.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.74	5.00E-01	4.20E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.29	5.67E-01	4.80E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.05	5.00E-01	4.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.857	5.67E-01	5.50E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.438	5.67E-01	5.30E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.47	6.00E-01	5.30E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.47	5.00E-01	4.70E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.75	4.67E-01	4.00E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.12	5.33E-01	4.90E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.26	4.67E-01	4.50E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.846	4.67E-01	4.70E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.784	5.67E-01	5.50E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.889	5.00E-01	5.20E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.04	5.00E-01	4.10E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.707	1.60E-01	1.60E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.574	1.90E-01	2.10E+00	—	pCi/L	U	U, J-	192972	GF07080G33R201	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.487	1.97E-01	2.30E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.09	2.30E-01	2.20E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.452	1.23E-01	1.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.592	1.43E-01	1.40E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.58	2.72E-01	2.40E+00	—	pCi/L	U	U, J-	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.707	1.60E-01	1.60E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.487	1.97E-01	2.30E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.09	2.30E-01	2.20E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.452	1.23E-01	1.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.592	1.43E-01	1.40E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.27	2.80E-01	2.10E+00	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.62	1.99E-01	1.69E+00	—	pCi/L	—	J, J-	192972	GF07080G33R201	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.44	3.03E-01	2.60E+00	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.91	2.87E-01	2.70E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.21	2.80E-01	2.00E+00	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.77	4.00E-01	2.90E+00	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.66	2.07E-01	1.83E+00	—	pCi/L	—	J-, J	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	191	2.07E+01	9.50E+01	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	52.4	4.67E+00	6.70E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	75.5	1.83E+01	7.20E+01	—	pCi/L	—	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	173	1.03E+02	1.90E+02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	101	1.07E+01	8.90E+01	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	197	2.23E+01	1.20E+02	—	pCi/L	—	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	127	3.20E+01	1.10E+02	—	pCi/L	—	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.32	4.00E+00	4.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.87	4.00E+00	3.90E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15	3.67E+00	3.70E+01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.4	4.67E+00	4.30E+01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	4.33E+00	4.00E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	42.3	5.00E+00	5.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.13	3.67E+00	3.60E+01	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00967	3.67E-03	3.80E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00814	1.63E-03	2.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00888	4.00E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00949	2.23E-03	3.90E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00439	1.47E-03	3.50E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0314	4.33E-03	3.80E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.33E-03	2.40E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0121	2.43E-03	4.60E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00163	1.20E-03	3.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.06E-09	2.57E-03	2.60E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00474	1.93E-03	3.90E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00438	1.47E-03	4.30E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0121	2.67E-03	4.60E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.007	1.17E-03	3.50E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-26.3	6.00E+00	6.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.52	6.33E+00	6.60E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.15	5.33E+00	5.40E+01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	46.4	8.67E+00	6.00E+01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.6	7.00E+00	6.90E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-35.2	6.00E+00	5.30E+01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.7	6.67E+00	6.10E+01	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	06/24/05	WG	F	CS	—	Rad	EPA:903.1	Radium-226	<	0.534	7.57E-02	6.41E-01	—	pCi/L	U	U	139551	GF0506G33R201	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.53	1.10E-01	5.00E-01	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.442	4.67E-02	3.40E-01	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.196	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	11/19/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.507	7.33E-02	6.30E-01	—	pCi/L	U	U	08-218	CASA-08-8060	GELC
R-33	5501	1112.4	06/24/05	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.191	5.53E-02	7.58E-01	—	pCi/L	U	U	139551	GU0506G33R201	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.457	8.33E-02	7.80E-01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.372	8.33E-02	8.10E-01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.707	8.67E-02	7.50E-01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	11/19/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.423	5.67E-02	5.00E-01	—	pCi/L	U	U	08-218	CASA-08-8060	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.281	5.33E-01	5.40E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.478	4.00E-01	3.80E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	4.67E-01	4.90E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.77	5.00E-01	5.40E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	5.33E-01	4.80E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.24	5.00E-01	4.10E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0924	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0744	4.67E-02	4.60E-01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0817	4.67E-02	4.90E-01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	3.67E-02	3.90E-01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.29	4.67E-02	4.60E-01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00608	4.33E-02	4.70E-01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.215	5.00E-02	4.90E-01	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.607	1.90E-02	9.10E-02	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.627	1.90E-02	7.40E-02	—	pCi/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.58	1.87E-02	7.00E-02	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.627	1.80E-02	6.30E-02	—	pCi/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.492	1.60E-02	8.40E-02	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.568	1.80E-02	9.70E-02	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.617	1.80E-02	7.00E-02	—	pCi/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00279	2.07E-03	4.20E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0303	4.00E-03	4.10E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00932	1.80E-03	4.00E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0262	3.13E-03	3.20E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	2.57E-03	4.10E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0118	2.80E-03	4.50E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	2.23E-03	3.90E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.309	1.13E-02	4.50E-02	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.312	1.10E-02	4.70E-02	—	pCi/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.259	1.07E-02	4.60E-02	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.318	1.07E-02	3.90E-02	—	pCi/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.26	1.03E-02	4.10E-02	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.309	1.17E-02	4.80E-02	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.343	1.13E-02	4.40E-02	—	pCi/L	—	—	09-797	CAMO-09-2868	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.51	—	—	1.00E-02	SU	H	J	09-892	CAMO-09-2635	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000011	—	—	1.10E-06	ug/L	J	J	10-1805	CAMO-10-9357	ALTC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000125	—	—	1.25E-06	ug/L	U	U	10-413	CAMO-10-3218	ALTC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000234	—	—	2.34E-06	ug/L	U	U	09-2893	CAMO-09-9568	ALTC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000214	—	—	2.14E-06	ug/L	U	U	09-975	CAMO-09-2870	ALTC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.000000671	—	—	6.71E-07	ug/L	U	U	09-83	CAMO-08-16440	ALTC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000011	—	—	1.10E-06	ug/L	—	—	10-1805	CAMO-10-9357	ALTC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000163	—	—	1.63E-06	ug/L	—	—	10-413	CAMO-10-3218	ALTC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000234	—	—	2.34E-06	ug/L	U	U	09-2893	CAMO-09-9568	ALTC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000214	—	—	2.14E-06	ug/L	U	U	09-975	CAMO-09-2870	ALTC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.000000671	—	—	6.71E-07	ug/L	U	U	09-83	CAMO-08-16440	ALTC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.2	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.183	—	—	6.60E-02	mg/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.19	—	—	6.60E-02	mg/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.179	—	—	6.60E-02	mg/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.70E-02	mg/L	J	J	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.7	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.1	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.7	—	—	3.00E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.7	—	—	3.00E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.6	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.5	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.3	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44	—	—	3.00E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.1	—	—	3.00E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.7	—	—	3.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.2	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.1	—	—	3.30E-01	mg/L	—	J+	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.7	—	—	3.30E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.7	—	—	6.60E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.279	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.365	—	—	3.30E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.259	—	—	3.30E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	166	—	—	3.50E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	165	—	—	3.50E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	179	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	3.50E-01	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	167	—	—	3.50E-01	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.8	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.6	—	—	8.50E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.9	—	—	8.50E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.4	—	—	8.50E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.2	—	—	8.50E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.1	—	—	8.50E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.99	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.08	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	7.03	—	—	2.50E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.03	—	—	2.50E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.24	—	—	2.00E-01	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.18	—	—	1.00E-01	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.17	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	5.00E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	4.50E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	4.50E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	4.50E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	4.50E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	448	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	438	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	422	—	—	1.00E+00	uS/cm	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	419	—	—	1.00E+00	uS/cm	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	68.6	—	—	5.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	65.1	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.6	—	—	5.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	61	—	—	5.00E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.9	—	—	1.00E+00	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	341	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9355	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	338	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	310	—	—	2.40E+00	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	323	—	—	2.40E+00	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.345	—	—	3.30E-02	mg/L	—	J-	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.199	—	—	3.30E-02	mg/L	—	J-	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.146	—	—	3.30E-02	mg/L	—	U	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.31	—	—	3.30E-02	mg/L	—	J-	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.201	—	—	2.90E-02	mg/L	—	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.5	—	—	3.30E-01	mg/L	—	—	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.58	—	—	3.30E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.47	—	—	3.30E-01	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.17	—	—	3.30E-01	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	1.00E-02	SU	H	J-	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.777	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.653	—	—	5.00E-01	ug/L	J	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.838	—	—	5.00E-01	ug/L	J	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.583	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.91	—	—	5.00E-01	ug/L	J	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.707	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.687	—	—	5.00E-01	ug/L	J	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	1	—	—	5.00E-01	ug/L	J	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.645	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	1.1	—	—	5.00E-01	ug/L	J	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.2	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	80	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	75.5	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.7	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	85.1	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.2	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	76.9	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	75.8	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	25.2	—	—	1.00E+01	ug/L	J	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-1821	CAMO-09-8209	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	27.3	—	—	1.00E+01	ug/L	J	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1240	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	894	—	—	2.50E+01	ug/L	—	—	10-1971	CAMO-10-9728	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	961	—	—	5.00E+00	ug/L	—	—	10-527	CAMO-10-3900	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	885	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	955	—	—	2.50E+01	ug/L	—	—	09-2895	CAMO-09-10297	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	863	—	—	1.50E+00	ug/L	—	—	09-1822	CAMO-09-11421	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	830	—	—	1.50E+00	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1180	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	905	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	910	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	856	—	—	1.50E+00	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.44	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.64	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.825	—	—	5.00E-01	ug/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.609	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.83	—	—	5.00E-01	ug/L	J	J	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.08	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.35	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.87	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	ug/L	J	J	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.572	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.564	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.572	—	—	1.00E-01	ug/L	—	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.564	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.6	—	—	1.00E-01	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.596	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.565	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.595	—	—	1.00E-01	ug/L	—	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.543	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.68	—	—	1.00E-01	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.7	—	—	5.00E-01	ug/L	—	—	09-2895	CAMO-09-9570	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.9	—	—	5.00E-01	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.95	—	—	5.00E-01	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.3	—	—	5.00E-01	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.1	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.2	—	—	5.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	3.20E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	3.20E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	172	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	168	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	170	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.626	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.62	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	5.00E-02	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.648	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.633	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.718	—	—	5.00E-02	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.577	—	—	5.00E-02	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.26	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.14	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.32	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.08	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.01	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.4	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.3	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.7	—	—	3.30E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.4	—	—	2.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.1	—	—	2.00E+00	ug/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.8	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	3.30E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.7	—	—	2.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.5	—	—	2.00E+00	ug/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00326	4.33E-03	4.60E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0322	3.67E-03	5.10E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0167	2.70E-03	4.00E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00141	7.00E-04	4.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00802	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000857	3.33E-03	3.30E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00295	2.83E-03	4.20E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.68	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.61	4.33E-01	4.10E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.22	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.301	4.33E-01	4.10E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.55	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.354	4.00E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.23	4.67E-01	4.80E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.251	3.33E-01	3.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.484	4.33E-01	4.30E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.58	4.67E-01	5.00E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.143	4.33E-01	4.40E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.66	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.41	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.42	5.67E-01	4.60E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.349	2.13E-01	2.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.736	2.17E-01	2.30E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.768	2.30E-01	2.50E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.62	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	2.43E-01	2.20E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.91	3.07E-01	2.60E+00	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.55	3.10E-01	2.70E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.46	4.33E-01	3.60E+00	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.46	4.33E-01	3.70E+00	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.977	1.83E-01	1.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	63.9	1.20E+01	6.60E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	22.3	7.67E+00	4.60E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.63	7.33E-01	4.20E+00	—	pCi/L	—	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.8	2.20E+01	5.00E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	59.3	2.07E+01	7.90E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	50.9	6.33E+00	6.50E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.82	1.33E+00	4.60E+00	—	pCi/L	—	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.42	3.67E+00	3.30E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.5	2.80E+00	2.90E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.9	3.33E+00	3.50E+01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-26.4	3.67E+00	3.30E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.9	3.10E+00	2.80E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.5	3.67E+00	3.40E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.62	3.27E+00	3.30E+01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.30E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00328	2.67E-03	2.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00234	7.67E-04	4.10E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00377	2.67E-03	3.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	3.88E-09	4.67E-03	3.60E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.10E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00358	1.90E-03	2.60E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0251	2.43E-03	4.00E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00328	1.53E-03	3.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00468	1.57E-03	2.80E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00753	1.53E-03	3.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00407	2.13E-03	4.00E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00997	1.50E-03	3.80E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00179	1.33E-03	3.60E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	26.9	6.00E+00	2.70E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.15	5.33E+00	5.70E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.1	6.00E+00	6.10E+01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-21.6	6.67E+00	6.60E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.9	4.67E+00	4.70E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.9	4.00E+00	4.70E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.6	6.00E+00	6.70E+01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.27	3.33E-01	3.00E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0502	4.00E-01	4.00E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.192	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.38	4.33E-01	4.70E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.32	3.67E-01	4.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.409	4.00E-01	3.90E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.87	4.33E-01	3.30E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.313	5.00E-02	4.80E-01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0862	2.53E-02	3.50E-01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0315	2.90E-02	3.20E-01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.214	4.00E-02	4.50E-01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.23	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.265	5.00E-02	4.90E-01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0883	2.67E-02	2.90E-01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.498	1.77E-02	1.20E-01	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.513	1.53E-02	6.30E-02	—	pCi/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.56	2.23E-02	7.50E-02	—	pCi/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.454	1.40E-02	5.90E-02	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.529	1.83E-02	1.20E-01	—	pCi/L	—	—	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.488	1.50E-02	7.00E-02	—	pCi/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0152	2.57E-03	5.80E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0121	1.93E-03	2.90E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0234	4.00E-03	5.90E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	3.03E-03	3.00E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0185	3.67E-03	5.50E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.47E-03	5.60E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0227	2.43E-03	3.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.203	9.67E-03	6.20E-02	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.207	7.67E-03	3.70E-02	—	pCi/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.217	1.20E-02	5.30E-02	—	pCi/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.186	7.33E-03	3.60E-02	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.209	1.03E-02	5.50E-02	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.229	1.03E-02	6.00E-02	—	pCi/L	—	—	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.204	8.00E-03	4.20E-02	—	pCi/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	0.984	—	—	5.50E-01	ug/L	J	J	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	11.4	—	—	2.30E+00	ug/L	U	U	10-395	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10.4	—	—	2.10E+00	ug/L	U	U	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.93	—	—	2.00E+00	ug/L	J	J	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	11.1	—	—	2.20E+00	ug/L	U	U	09-974	CAMO-09-2870	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.000000486	—	—	4.86E-07	ug/L	J	J	10-1799	CAMO-10-9370	ALTC
R-44	8671	895	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.000000863	—	—	8.63E-07	ug/L	U	U	10-512	CAMO-10-3225	ALTC
R-44	8671	895	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000281	—	—	2.81E-06	ug/L	U	U	09-2914	CAMO-09-9922	ALTC
R-44	8671	895	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000267	—	—	2.67E-06	ug/L	U	U	09-2644	CAMO-09-11387	ALTC
R-44	8671	895	02/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000429	—	—	4.29E-06	ug/L	U	U	09-912	CAMO-09-4437	ALTC
R-44	8671	895	02/10/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000000486	—	—	4.86E-07	ug/L	—	—	10-1799	CAMO-10-9370	ALTC
R-44	8671	895	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000139	—	—	1.39E-06	ug/L	—	—	10-512	CAMO-10-3225	ALTC
R-44	8671	895	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000281	—	—	2.81E-06	ug/L	U	U	09-2914	CAMO-09-9922	ALTC
R-44	8671	895	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000267	—	—	2.67E-06	ug/L	U	U	09-2644	CAMO-09-11387	ALTC
R-44	8671	895	02/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000429	—	—	4.29E-06	ug/L	U	U	09-912	CAMO-09-4437	ALTC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.8	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	7.30E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.9	—	—	7.30E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	3.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	3.00E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.05	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.33	—	—	6.60E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.268	—	—	3.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.389	—	—	3.30E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.3	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.3	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.68	—	—	8.50E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.01	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.945	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.406	—	—	5.00E-02	ug/L	—	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.984	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.68	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.56	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.78	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.83	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	uS/cm	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.24	—	—	1.00E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.346	—	—	3.30E-01	mg/L	J	J	10-1801	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.513	—	—	3.30E-01	mg/L	J	J	10-514	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.565	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.598	—	—	3.30E-01	mg/L	J	U	09-2646	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.736	—	—	3.30E-01	mg/L	J	J	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.50E+01	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	13.8	—	—	1.00E+01	ug/L	J	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	ug/L	J	J	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	ug/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	15	—	—	1.00E+01	ug/L	J	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3901	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10295	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.68	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.33	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11389	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.8	—	—	1.50E+00	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.50E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.8	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.95	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	42.7	—	—	3.00E+01	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.8	—	—	2.50E+01	ug/L	J	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51.9	—	—	3.00E+01	ug/L	J	J	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	81.1	—	—	3.00E+01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	358	—	—	3.00E+01	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	376	—	—	3.00E+01	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.942	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.83	—	—	1.00E-01	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.92	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.86	—	—	1.00E-01	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.937	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.926	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.762	—	—	5.00E-01	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.839	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.922	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.878	—	—	5.00E-01	ug/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.2	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.3	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.2	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.6	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.474	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.527	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.43	—	—	5.00E-02	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.478	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.536	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.19	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.89	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.96	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.24	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.2	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.37	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.81	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.11	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.52	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	ug/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.26	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	12.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.1	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	53.3	—	—	3.30E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	7.9	—	—	2.00E+00	ug/L	J	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	14.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	81.1	—	—	3.30E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.6	—	—	2.00E+00	ug/L	J	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00432	3.30E-03	4.40E-02	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00344	2.30E-03	6.00E-02	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0136	2.67E-03	3.90E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00124	7.67E-04	3.10E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	5.67E-04	3.10E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000416	2.67E-03	4.00E-02	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0037	2.87E-03	5.70E-02	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.85	5.33E-01	5.20E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.33	4.67E-01	4.00E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.5	6.00E-01	6.10E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.26	5.00E-01	4.40E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.55	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.8	7.33E-01	6.40E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.12	4.67E-01	4.10E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.17	6.00E-01	6.20E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.32	4.67E-01	4.50E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.516	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.789	4.67E-01	4.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.946	5.67E-01	5.80E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.159	6.67E-01	6.40E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.02	4.00E-01	4.70E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.27	2.90E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.67	3.13E-01	2.80E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0278	2.10E-01	2.70E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.595	2.13E-01	2.40E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.244	1.13E-01	1.10E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.186	2.60E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.768	2.03E-01	2.10E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.73	2.30E-01	2.00E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-0.129	2.07E-01	2.40E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.578	1.87E-01	2.40E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.463	2.63E-01	2.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.542	1.80E-01	1.90E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.99	2.83E-01	2.20E+00	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.08	2.57E-01	2.20E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	188	2.63E+01	2.10E+02	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	13.5	1.67E+01	2.90E+01	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.2	2.33E+00	1.40E+01	—	pCi/L	—	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	138	1.97E+01	1.20E+02	—	pCi/L	—	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	143	1.40E+01	1.20E+02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	156	2.33E+01	1.20E+02	—	pCi/L	—	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.6	4.67E+00	2.00E+01	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.4	4.67E+00	3.90E+01	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	20.2	4.00E+00	3.70E+01	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.67	3.67E+00	3.60E+01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.02	3.33E+00	3.50E+01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13	4.00E+00	4.00E+01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.5	4.33E+00	4.10E+01	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.5	3.10E+00	2.90E+01	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0213	4.33E-03	3.40E-02	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00259	1.50E-03	3.70E-02	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00825	1.60E-03	4.80E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.53E-03	3.30E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00365	2.10E-03	3.20E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00574	2.77E-03	3.10E-02	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	2.69E-09	4.67E-03	4.00E-02	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00213	2.93E-03	4.20E-02	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00776	2.87E-03	5.20E-02	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0055	1.30E-03	3.30E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0122	2.70E-03	3.30E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00365	1.73E-03	3.60E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0115	1.80E-03	3.70E-02	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00282	2.10E-03	5.60E-02	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	14.5	9.67E+00	5.40E+01	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.2	5.67E+00	5.00E+01	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.36	6.33E+00	6.70E+01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.7	6.33E+00	6.60E+01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.64	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.3	1.00E+01	9.20E+01	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.3	6.33E+00	6.20E+01	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.404	4.00E-02	2.50E-01	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.12	3.67E-02	3.90E-01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.781	7.00E-02	4.20E-01	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.03	1.07E-01	7.90E-01	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.86	1.17E-01	1.00E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.69	9.00E-02	7.50E-01	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.281	5.67E-01	5.70E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.581	4.33E-01	4.30E+00	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.331	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.655	5.00E-01	4.50E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.168	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.31	7.00E-01	6.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.44	4.00E-01	4.60E+00	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0286	4.00E-02	4.40E-01	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.207	3.67E-02	5.00E-01	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.11	2.80E-02	3.20E-01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.409	5.00E-02	4.80E-01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0055	2.47E-02	2.50E-01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0585	3.67E-02	4.40E-01	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0171	4.33E-02	4.40E-01	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.328	1.23E-02	9.40E-02	—	pCi/L	—	—	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.38	1.20E-02	6.00E-02	—	pCi/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.386	1.73E-02	7.50E-02	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.34	1.23E-02	8.10E-02	—	pCi/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.364	1.37E-02	9.20E-02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.327	1.23E-02	9.20E-02	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.287	1.00E-02	6.00E-02	—	pCi/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00304	1.03E-03	4.60E-02	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	1.60E-03	2.80E-02	—	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00586	1.97E-03	5.90E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00277	2.77E-03	4.10E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0125	4.33E-03	4.60E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0089	1.73E-03	4.50E-02	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	2.47E-03	2.80E-02	—	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.123	6.67E-03	4.70E-02	—	pCi/L	—	—	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.165	6.67E-03	3.60E-02	—	pCi/L	—	—	09-913	CAMO-09-4438	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.197	1.13E-02	5.30E-02	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.195	8.33E-03	4.90E-02	—	pCi/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.121	8.67E-03	4.60E-02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.175	8.00E-03	4.50E-02	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.145	6.00E-03	3.60E-02	—	pCi/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/10/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.44	—	—	3.00E-01	ug/L	HJ	J-	10-1801	CAMO-10-9371	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	10-514	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	09-2915	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	ug/L	U	U	09-2646	CAMO-09-11387	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000633	—	—	6.33E-07	ug/L	J	J	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000941	—	—	9.41E-07	ug/L	U	U	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.0000276	—	—	2.76E-06	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.0000335	—	—	3.35E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.0000207	—	—	2.07E-06	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000633	—	—	6.33E-07	ug/L	—	—	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000101	—	—	1.01E-06	ug/L	—	—	10-1799	CAMO-10-9373	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000915	—	—	9.15E-07	ug/L	—	—	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.0000276	—	—	2.76E-06	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.0000335	—	—	3.35E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.0000207	—	—	2.07E-06	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000125	—	—	1.25E-06	ug/L	J	J	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000537	—	—	5.37E-07	ug/L	U	U	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.0000148	—	—	1.48E-06	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.0000191	—	—	1.91E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.0000106	—	—	1.06E-06	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000125	—	—	1.25E-06	ug/L	—	—	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.00000568	—	—	5.68E-07	ug/L	U	U	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.0000164	—	—	1.64E-06	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.0000226	—	—	2.26E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.000011	—	—	1.10E-06	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000938	—	—	9.38E-07	ug/L	—	—	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000422	—	—	4.22E-07	ug/L	U	U	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.0000155	—	—	1.55E-06	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.0000173	—	—	1.73E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000544	—	—	5.44E-07	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	UF	CS	FB	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	—	0.00000405	—	—	4.05E-07	ug/L	—	—	10-1799	CAMO-10-10133	ALTC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000386	—	—	3.86E-07	ug/L	U	U	10-512	CAMO-10-3228	ALTC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000622	—	—	6.22E-07	ug/L	U	U	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000315	—	—	3.15E-06	ug/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000257	—	—	2.57E-07	ug/L	U	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	7.30E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.2	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.3	—	—	7.30E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	3.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	3.00E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.1	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.03	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.341	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.495	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.369	—	—	3.30E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.1	—	—	3.50E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.585	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.95	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.98	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.725	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.491	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.359	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.95	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.31	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	144	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	uS/cm	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	149	—	—	1.00E+00	uS/cm	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.36	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.78	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.9	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.72	—	—	1.00E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.638	—	—	3.30E-01	mg/L	J	J	10-1801	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.457	—	—	3.30E-01	mg/L	J	J	10-514	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.508	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2631	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.837	—	—	3.30E-01	mg/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.4	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.43	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.99	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3902	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.48	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10296	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.44	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.65	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11394	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	1.50E+00	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.42	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.44	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.73	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	1.50E+00	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.29	—	—	2.00E+00	ug/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.54	—	—	2.00E+00	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.7	—	—	2.00E+00	ug/L	J	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.94	—	—	2.00E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.25	—	—	2.00E+00	ug/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.57	—	—	2.00E+00	ug/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.4	—	—	2.00E+00	ug/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.886	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.98	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.974	—	—	1.00E-01	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.869	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.999	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.948	—	—	5.00E-01	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.807	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.554	—	—	5.00E-01	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.897	—	—	5.00E-01	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.535	—	—	5.00E-01	ug/L	J	J	09-2632	CAMO-09-11393	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.3	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	3.20E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.6	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.6	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.614	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.49	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.537	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.556	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.544	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.7	—	—	5.00E-02	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.32	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.04	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.28	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.52	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.49	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	ug/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.21	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.42	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.4	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	3.30E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.7	—	—	2.00E+00	ug/L	J	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.3	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.01	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.8	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.8	—	—	3.30E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.2	—	—	2.00E+00	ug/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0073	1.77E-03	4.10E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00368	2.03E-03	3.90E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00722	1.73E-03	3.50E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0026	7.33E-04	3.50E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00242	7.00E-04	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00884	4.00E-03	4.20E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	2.53E-03	3.90E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.83	7.67E-01	6.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.123	4.67E-01	4.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.23	5.00E-01	5.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.374	5.00E-01	4.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.48	5.00E-01	4.50E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.83	9.00E-01	5.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.26	5.00E-01	4.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.64	6.33E-01	6.60E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.378	4.33E-01	4.00E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00197	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0264	5.67E-01	5.70E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.442	5.33E-01	5.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.04	6.00E-01	6.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.44	5.33E-01	5.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.04	2.73E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.632	1.70E-01	1.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.209	1.47E-01	2.30E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.136	1.50E-01	2.10E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.53	1.60E-01	1.40E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.549	2.17E-01	2.50E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.76	2.83E-01	2.20E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.03	2.47E-01	2.10E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.4	2.83E-01	2.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.499	2.07E-01	2.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.634	2.83E-01	2.90E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.68	2.80E-01	2.30E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.67	3.00E-01	2.10E+00	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.37	1.83E-01	2.00E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	177	2.87E+01	1.30E+02	—	pCi/L	—	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	30.4	5.00E+00	3.10E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	7.73	8.33E-01	7.50E+00	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	99.6	1.33E+01	9.40E+01	—	pCi/L	—	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	128	1.23E+01	1.10E+02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	138	1.93E+01	8.30E+01	—	pCi/L	—	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	66.7	1.13E+01	6.00E+01	—	pCi/L	—	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.2	4.33E+00	4.40E+01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.3	3.67E+00	3.70E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.6	3.03E+00	2.90E+01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.3	4.33E+00	4.10E+01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.1	4.33E+00	4.40E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.87	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.8	4.00E+00	3.80E+01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00947	2.73E-03	3.80E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.27E-03	3.40E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00171	1.77E-03	5.00E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00411	2.90E-03	3.40E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00168	9.67E-04	3.00E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00214	7.00E-04	3.40E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00365	2.27E-03	2.60E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00711	2.37E-03	4.60E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00478	1.97E-03	4.80E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0039	1.60E-03	3.50E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00411	2.17E-03	3.40E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0101	2.10E-03	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00428	1.43E-03	4.20E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0073	1.93E-03	3.70E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.74	8.00E+00	7.50E+01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	6.67E+00	6.90E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.2	6.67E+00	7.10E+01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	7.33E+00	7.10E+01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.27	6.33E+00	6.60E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.1	9.00E+00	7.10E+01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.3	7.00E+00	7.10E+01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0895	2.27E-02	2.30E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.392	5.00E-02	4.00E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.672	8.33E-02	6.80E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0569	6.67E-02	7.40E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	1.06	1.57E-01	1.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.663	8.67E-02	7.40E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.19	6.00E-01	5.60E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.548	4.00E-01	3.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0661	5.00E-01	4.90E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.102	5.00E-01	4.90E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.74	4.33E-01	3.80E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.91	5.00E-01	4.40E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	4.00E-02	4.30E-01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.142	2.40E-02	2.70E-01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00394	3.10E-02	3.20E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.225	4.33E-02	4.90E-01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.106	1.90E-02	1.90E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0558	4.33E-02	4.30E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0346	2.30E-02	2.40E-01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.416	1.53E-02	1.10E-01	—	pCi/L	—	—	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.489	1.50E-02	6.70E-02	—	pCi/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.481	2.20E-02	9.10E-02	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.335	1.20E-02	7.40E-02	—	pCi/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.345	1.30E-02	9.40E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.437	1.53E-02	1.00E-01	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.483	1.50E-02	7.20E-02	—	pCi/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0175	2.63E-03	5.30E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00645	2.40E-03	3.10E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0215	4.33E-03	7.30E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00512	2.70E-03	3.80E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0255	3.33E-03	4.70E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.53E-03	4.90E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00924	2.43E-03	3.30E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.221	1.00E-02	5.40E-02	—	pCi/L	—	—	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.191	7.67E-03	4.00E-02	—	pCi/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.252	1.47E-02	6.50E-02	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.67E-03	4.60E-02	—	pCi/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.132	7.67E-03	4.70E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	7.67E-03	5.00E-02	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.178	7.33E-03	4.30E-02	—	pCi/L	—	—	09-979	CAMO-09-4441	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.9	—	—	7.30E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.044	—	—	1.60E-02	mg/L	J	J-	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.036	—	—	1.60E-02	mg/L	J	U	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	3.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	3.00E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.44	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	J	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.22	—	—	6.60E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3	—	—	6.60E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.273	—	—	3.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.481	—	—	3.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.453	—	—	3.30E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.411	—	—	3.30E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.1	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.6	—	—	3.50E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.2	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.1	—	—	3.50E-01	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.84	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.08	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.77	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.74	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	E	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.02	—	—	5.00E-02	mg/L	—	J+	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.92	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.612	—	—	1.00E-02	mg/L	—	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.44	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.538	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.561	—	—	5.00E-02	ug/L	—	J+	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.486	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.453	—	—	5.00E-02	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	09-2965	CAMO-09-10252	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	223	—	—	1.00E+00	uS/cm	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	150	—	—	1.00E+00	uS/cm	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.18	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.78	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.1	—	—	1.00E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.47	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.476	—	—	3.30E-01	mg/L	J	J	10-540	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.678	—	—	3.30E-01	mg/L	J	J	09-2964	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.785	—	—	3.30E-01	mg/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.557	—	—	3.30E-01	mg/L	J	J	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.9	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.8	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	16.1	—	—	1.00E+01	ug/L	J	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	17.9	—	—	1.00E+01	ug/L	J	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.4	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3903	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.7	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10293	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.1	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11402	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	1.50E+00	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	1.50E+00	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.826	—	—	1.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.938	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.891	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.75	—	—	1.00E-01	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.09	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.929	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.909	—	—	5.00E-01	ug/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.79	—	—	5.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	5.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.4	—	—	5.30E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	3.20E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.6	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.6	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.7	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.5	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.2	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.963	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.929	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.896	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9379	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.883	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.943	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.83	—	—	5.00E-02	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.85	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.48	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.92	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.46	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.38	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.3	—	—	1.00E+00	ug/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.7	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.3	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	63.2	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	ug/L	J	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.6	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.7	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	45.4	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	95.6	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.1	—	—	2.00E+00	ug/L	J	J	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00676	1.97E-03	5.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00138	1.37E-03	4.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00314	6.33E-03	4.80E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	5.33E-04	3.00E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000304	1.07E-03	3.00E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00102	3.33E-03	4.80E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0152	2.80E-03	4.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.48	5.33E-01	4.40E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.04	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.162	5.00E-01	4.80E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.62	5.00E-01	5.10E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.28	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.74	5.00E-01	4.70E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.03	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-5.63	5.67E-01	4.30E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	4.00E-01	4.30E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.916	4.67E-01	4.90E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.93	5.00E-01	4.40E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.44	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.469	5.33E-01	5.30E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.53	3.67E-01	4.30E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.38	2.90E-01	1.70E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.637	1.93E-01	2.00E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.3	2.20E-01	1.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.538	2.20E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.34	3.33E-01	2.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.08	2.43E-01	1.80E+00	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.124	2.27E-01	2.60E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	—	3.38	2.90E-01	1.70E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.637	1.93E-01	2.00E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.3	2.20E-01	1.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.538	2.20E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.34	3.33E-01	2.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.08	2.43E-01	1.80E+00	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.124	2.27E-01	2.60E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	8.8	4.33E-01	2.00E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.12	3.33E-01	2.90E+00	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.45	2.40E-01	2.20E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.42	2.90E-01	2.90E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.73	4.00E-01	3.40E+00	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.96	4.33E-01	2.10E+00	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.52	2.23E-01	2.10E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	131	1.23E+01	9.40E+01	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	66.7	1.33E+01	8.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.9	1.77E+01	1.00E+02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	91.1	2.07E+01	9.60E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.6	1.03E+01	7.20E+01	—	pCi/L	—	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	148	1.83E+01	1.20E+02	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	33.2	7.33E+00	4.90E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.2	4.33E+00	4.50E+01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.3	4.00E+00	3.90E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.6	4.33E+00	4.20E+01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.7	4.00E+00	4.10E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.06	3.10E+00	2.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.4	4.33E+00	4.30E+01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.04	4.00E+00	3.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00287	9.67E-04	4.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0118	2.20E-03	2.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00389	9.33E-04	3.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0188	2.20E-03	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00368	1.07E-03	3.20E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.00E-04	4.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.025	3.67E-03	3.20E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00748	2.53E-03	5.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0118	1.87E-03	3.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.33E-04	2.20E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00418	1.70E-03	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00552	1.37E-03	3.60E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00539	1.27E-03	5.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.63E-03	4.60E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	6.00E+00	6.80E+01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-32.6	6.33E+00	5.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29.6	5.33E+00	5.90E+01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.01	6.33E+00	6.60E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.03	5.33E+00	5.70E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.72	6.67E+00	5.30E+01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.1	7.67E+00	4.00E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.785	6.67E-02	3.80E-01	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.324	4.33E-02	3.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.68	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.102	6.67E-02	8.10E-01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.56	1.40E-01	9.20E-01	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.54	1.33E-01	8.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.46	6.00E-01	5.20E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.67E-01	5.10E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.5	4.33E-01	3.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.36	5.00E-01	4.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.6	4.33E-01	3.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.67	4.33E-01	3.70E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.2	4.00E-01	4.40E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.243	5.00E-02	4.70E-01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.302	4.67E-02	4.30E-01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.119	4.33E-02	4.90E-01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	3.27E-02	4.20E-01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0597	2.07E-02	2.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0771	4.33E-02	4.50E-01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0879	3.33E-02	4.00E-01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.58	2.23E-02	1.60E-01	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.518	1.53E-02	6.50E-02	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.521	1.73E-02	6.90E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.52	1.60E-02	7.00E-02	—	pCi/L	—	—	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.478	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.559	2.10E-02	1.40E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.506	1.50E-02	6.40E-02	—	pCi/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	3.33E-03	7.70E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	1.87E-03	3.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0458	4.67E-03	4.00E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0287	3.27E-03	3.50E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	2.90E-03	5.80E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	3.67E-03	7.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0185	2.10E-03	3.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.272	1.33E-02	7.70E-02	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.249	9.00E-03	3.80E-02	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.227	9.67E-03	4.50E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.23	9.00E-03	4.30E-02	—	pCi/L	—	—	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.242	1.10E-02	5.80E-02	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.236	1.20E-02	7.20E-02	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.236	8.67E-03	3.80E-02	—	pCi/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	3.53	—	—	3.50E+00	ug/L	J	J	10-1466	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	UJ	10-540	CAMO-10-3231	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	08/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	U	09-2964	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	18.1	—	—	3.50E+00	ug/L	—	—	09-2676	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	UJ	09-1052	CAMO-09-4583	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75	—	—	7.30E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.017	—	—	1.60E-02	mg/L	J	J-	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.092	—	—	1.60E-02	mg/L	—	U	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.032	—	—	1.60E-02	mg/L	J	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.029	—	—	1.60E-02	mg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	3.26	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.11	—	—	6.60E-02	mg/L	—	J	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.17	—	—	6.60E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.31	—	—	6.60E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.439	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.399	—	—	3.30E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.541	—	—	3.30E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.443	—	—	3.30E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	64.6	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.4	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	63.2	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.5	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.97	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.67	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.88	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9385	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.75	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	J+	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	J+	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.325	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.625	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.296	—	—	1.00E-02	mg/L	—	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.375	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.383	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.386	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.407	—	—	5.00E-02	ug/L	—	J+	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	5.9	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.07	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.77	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.13	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.17	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	J	09-2965	CAMO-09-10255	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40E+00	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.438	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.694	—	—	3.30E-01	mg/L	J	J	10-540	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.584	—	—	3.30E-01	mg/L	J	J	09-2964	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.528	—	—	3.30E-01	mg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.2	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	33.6	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.1	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	8.87	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.51	—	—	2.50E+00	ug/L	J	J	10-1469	CAMO-10-9732	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.65	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.94	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.86	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3904	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.01	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.89	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10294	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	ug/L	J	J	09-2677	CAMO-09-11409	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.5	—	—	2.50E+00	ug/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	8.39	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.13	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.92	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.62	—	—	2.50E+00	ug/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.08	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3233	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.881	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.13	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.981	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.947	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	5.30E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.7	—	—	5.30E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	81.2	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.3	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.4	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.8	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	79.6	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	78	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.9	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.5	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.6	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.917	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.911	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.767	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.894	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.985	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.898	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.765	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.901	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.47	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.19	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.42	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.41	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.32	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.25	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.83	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.58	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	5.15	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9386	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.36	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.53	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	27	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	5.41	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9385	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.28	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.23	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.9	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00468	1.03E-03	4.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.0214	4.00E-03	4.20E-02	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.024	5.33E-03	4.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	6.00E-04	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00442	1.03E-03	2.90E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000405	8.33E-04	4.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.482	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.0756	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	3.67E-01	3.40E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	4.00E-01	4.20E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0215	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.58	5.67E-01	5.40E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.964	3.67E-01	3.80E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.496	4.67E-01	4.60E+00	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.687	4.67E-01	4.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.681	4.67E-01	4.80E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.889	4.67E-01	4.20E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.93	4.00E-01	5.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.54	2.50E-01	1.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.36	2.43E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0534	1.33E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.825	2.23E-01	2.30E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.137	1.47E-01	1.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.808	2.10E-01	2.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	—	2.54	2.50E-01	1.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	1.36	2.43E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0534	1.33E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.825	2.23E-01	2.30E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.137	1.47E-01	1.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.808	2.10E-01	2.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.1	3.67E-01	2.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	2.44	2.77E-01	2.30E+00	—	pCi/L	—	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.27E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.309	2.23E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.37E-01	2.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.31	3.33E-01	2.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	42.2	1.10E+01	5.40E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	30.2	1.77E+01	5.50E+01	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.3	1.07E+01	3.50E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	24.9	5.00E+00	3.00E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	38.8	5.67E+00	5.00E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.8	1.47E+01	6.10E+01	—	pCi/L	—	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.88	3.13E+00	2.80E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	13.5	3.10E+00	3.00E+01	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.61	4.00E+00	3.60E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.24	3.33E+00	3.40E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.2	2.17E+00	1.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	20.2	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.00E-04	4.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00235	8.00E-04	4.00E-02	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00198	6.67E-04	3.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00666	1.47E-03	3.60E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00187	6.33E-04	3.30E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	3.60E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.00E-04	4.90E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00235	1.37E-03	2.70E-02	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00198	6.67E-04	2.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00888	2.57E-03	3.60E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00748	1.40E-03	3.70E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.000676	1.00E-03	4.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	15.9	5.00E+00	5.70E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-4.7	6.67E+00	6.60E+01	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-51.6	5.33E+00	4.40E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.2	6.33E+00	6.50E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.33E+00	6.20E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.12	5.33E+00	5.50E+01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	2.23E-02	3.60E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0236	3.07E-02	3.80E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.336	6.33E-02	6.00E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0459	5.67E-02	6.40E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.252	8.33E-02	8.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.802	1.03E-01	8.80E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.52	4.67E-01	3.50E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.882	3.33E-01	3.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.08	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.02	3.67E-01	3.40E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.867	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.129	3.67E-01	3.80E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0788	2.97E-02	3.80E-01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.283	5.00E-02	4.90E-01	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.239	4.00E-02	4.80E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.262	3.23E-02	4.50E-01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0331	2.60E-02	2.60E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	3.07E-02	4.20E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.542	2.07E-02	1.50E-01	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.555	1.90E-02	8.00E-02	—	pCi/L	—	—	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.588	1.93E-02	7.10E-02	—	pCi/L	—	—	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.465	1.50E-02	7.50E-02	—	pCi/L	—	—	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.512	2.00E-02	1.40E-01	—	pCi/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.525	1.97E-02	1.40E-01	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00502	1.67E-03	7.20E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0176	2.67E-03	4.60E-02	—	pCi/L	U	U	10-1468	CAMO-10-9385	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0219	2.80E-03	4.10E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.63E-03	3.80E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0274	4.33E-03	6.80E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0312	5.00E-03	6.80E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.242	1.23E-02	7.20E-02	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.222	1.00E-02	5.20E-02	—	pCi/L	—	—	10-1468	CAMO-10-9385	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.205	9.00E-03	4.60E-02	—	pCi/L	—	—	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.191	8.33E-03	4.60E-02	—	pCi/L	—	—	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.233	1.17E-02	6.80E-02	—	pCi/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.215	1.13E-02	6.80E-02	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	7.30E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	2.08	—	—	5.00E-02	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	E	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.42	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.62	—	—	6.60E-02	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.64	—	—	6.60E-02	mg/L	—	J	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.84	—	—	6.60E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	3.30E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.193	—	—	3.30E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	3.30E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	19.9	—	—	3.50E-01	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.9	—	—	3.50E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.4	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.3	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.5	—	—	3.50E+00	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	3.50E-01	mg/L	—	—	10-507	CAMO-10-3236	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40	—	—	3.50E-01	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.7	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-01	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.02	—	—	8.50E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.306	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.352	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.12	—	—	1.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0602	—	—	1.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.492	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.428	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.312	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.278	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.311	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.352	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.87	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.97	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	1.65	—	—	1.00E-01	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.84	—	—	1.00E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.91	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.93	—	—	1.00E-01	mg/L	E	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.43	—	—	1.00E-01	mg/L	—	—	10-507	CAMO-10-3236	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.93	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	115	—	—	1.00E+00	uS/cm	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1.00E+00	uS/cm	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1.00E+00	uS/cm	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	uS/cm	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00E+00	uS/cm	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	122	—	—	1.00E+00	uS/cm	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.82	—	—	1.00E-01	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	<	1.8	—	—	1.00E-01	mg/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.85	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.86	—	—	1.00E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.07	—	—	1.00E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.1	—	—	1.00E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.53	—	—	3.30E-01	mg/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.01	—	—	3.30E-01	mg/L	—	—	10-506	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.16	—	—	3.30E-01	mg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.91	—	—	3.30E-01	mg/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.43	—	—	3.30E-01	mg/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.67	—	—	3.30E-01	mg/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	4.06	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	5.29	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	2.41	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2.49	—	—	5.00E-01	ug/L	—	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2.65	—	—	5.00E-01	ug/L	—	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.7	—	—	5.00E-01	ug/L	—	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.5	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.93	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.52	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	5.75	—	—	5.00E-01	ug/L	—	U	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	6.88	—	—	5.00E-01	ug/L	—	J	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	4.67	—	—	1.00E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	J	09-2830	CAMO-09-10259	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.9	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	ug/L	—	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.35	—	—	2.50E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.50E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.76	—	—	1.50E+00	ug/L	—	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.84	—	—	1.50E+00	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.92	—	—	1.50E+00	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.29	—	—	2.50E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.48	—	—	2.50E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.35	—	—	2.50E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.16	—	—	1.50E+00	ug/L	—	U	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	1.50E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	1.50E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.99	—	—	3.00E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.31	—	—	3.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.82	—	—	3.00E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.32	—	—	3.00E+00	ug/L	J	J	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.7	—	—	3.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.1	—	—	3.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	27.5	—	—	2.50E+01	ug/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	34.3	—	—	2.50E+01	ug/L	J	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	88.1	—	—	3.00E+01	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.3	—	—	3.00E+01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	75.1	—	—	3.00E+01	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	148	—	—	2.50E+01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	360	—	—	2.50E+01	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	397	—	—	2.50E+01	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1871	CAMO-09-9272	GELC



Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.09	—	—	5.00E-01	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.41	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.54	—	—	5.00E-01	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.62	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	6.88	—	—	5.00E-01	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	8.13	—	—	5.00E-01	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.17	—	—	2.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7	—	—	2.00E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8	—	—	2.00E+00	ug/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.53	—	—	2.00E+00	ug/L	J	J	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.46	—	—	2.00E+00	ug/L	J	J	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.77	—	—	2.00E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.18	—	—	2.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.09	—	—	2.00E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.6	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.8	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.01	—	—	5.00E-01	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.43	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.43	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.37	—	—	5.00E-01	ug/L	J	J	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	ug/L	J	J	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.73	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.37	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.39	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.35	—	—	5.00E-01	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.4	—	—	5.00E-01	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	14.4	—	—	5.30E-02	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.5	—	—	3.20E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.7	—	—	3.20E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.1	—	—	3.20E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	8.58	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9360	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.2	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	42.7	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	40.7	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.6	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.433	—	—	5.00E-02	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.476	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.492	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.564	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.435	—	—	5.00E-02	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.476	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.468	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.497	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.494	—	—	5.00E-02	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.78	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.24	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.45	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.59	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.42	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.35	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.65	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.07	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.1	—	—	1.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	7.36	—	—	3.30E+00	ug/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.41	—	—	3.30E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.7	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.9	—	—	3.30E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.89	—	—	3.30E+00	ug/L	—	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.8	—	—	3.30E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.1	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.5	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.7	—	—	2.00E+00	ug/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00108	6.67E-04	3.40E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000463	2.33E-03	3.50E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00105	2.30E-03	3.20E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00194	2.10E-03	3.80E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00116	1.03E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.008	1.53E-03	2.90E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0449	4.00E-03	4.90E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00529	1.93E-03	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00191	2.70E-03	3.60E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.117	3.23E-01	3.20E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.06	5.33E-01	4.30E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.36	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.24	5.67E-01	5.10E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.26	4.33E-01	3.70E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.752	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.9	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.517	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	4.00E-01	3.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.703	3.33E-01	3.50E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.94	5.00E-01	3.20E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.577	4.33E-01	4.60E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.99	5.00E-01	5.60E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.391	4.00E-01	3.90E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.275	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.41	3.27E-01	2.80E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.878	3.67E-01	4.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0292	4.67E-01	4.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	2.40E-01	2.10E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0599	2.33E-01	2.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.32	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.458	1.77E-01	2.80E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.766	2.10E-01	2.20E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.623	1.03E-01	9.50E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.568	1.73E-01	1.80E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.02	2.00E-01	1.90E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.805	2.00E-01	2.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.41	2.40E-01	2.10E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.32	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0599	2.33E-01	2.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.458	1.77E-01	2.80E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.766	2.10E-01	2.20E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.623	1.03E-01	9.50E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.568	1.73E-01	1.80E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.805	2.00E-01	2.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.02	2.00E-01	1.90E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.17	2.77E-01	2.60E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-1.06	2.03E-01	2.10E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.24	2.83E-01	2.40E+00	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.58	2.30E-01	2.20E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.96	4.00E-01	3.50E+00	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.07	2.07E-01	2.00E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.11	2.33E-01	2.10E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.284	2.27E-01	2.40E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.95	2.67E-01	2.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	56.4	7.33E+00	5.90E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	72.4	8.00E+00	6.40E+01	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	58.3	1.63E+01	6.60E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	197	1.60E+01	1.30E+02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	95.9	1.00E+01	7.30E+01	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	37.9	1.73E+01	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	70.8	1.37E+01	7.50E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	65.3	3.67E+00	3.80E+01	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	7.67E+00	7.20E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.1	2.70E+00	2.70E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.65	4.33E+00	4.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.1	4.00E+00	4.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	61.9	5.33E+00	4.80E+01	—	pCi/L	UI	R	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.37	4.00E+00	3.90E+01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.2	3.33E+00	3.50E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.12	3.30E+00	2.80E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0024	8.00E-04	4.30E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.80E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00173	5.67E-04	2.70E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.50E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.27E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0122	3.67E-03	3.20E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00202	4.67E-03	3.60E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0018	8.33E-04	2.80E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00166	5.67E-04	2.60E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.60E-03	4.40E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00518	1.00E-03	3.30E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00356	8.33E-04	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0145	1.83E-03	2.40E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.03E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0142	2.23E-03	4.00E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00606	1.50E-03	3.70E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0144	1.70E-03	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0083	1.23E-03	3.20E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	8.73	5.33E+00	3.00E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.00E+00	6.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	4.51	5.33E+00	5.50E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.8	6.00E+00	6.10E+01	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.7	5.33E+00	5.10E+01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.5	6.00E+00	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.6	4.67E+00	4.50E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.62	6.33E+00	6.20E+01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.3	5.67E+00	5.30E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.578	3.33E-01	3.30E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.02	4.67E-01	5.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.119	4.33E-01	4.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.22	6.00E-01	5.60E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.123	4.67E-01	4.40E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.41	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.9	3.67E-01	3.50E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.44	3.23E-01	4.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.13	3.33E-02	4.40E-01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0082	4.33E-02	4.70E-01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0155	4.67E-02	5.30E-01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.218	4.33E-02	4.20E-01	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.103	4.33E-02	4.40E-01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.209	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.057	4.67E-02	4.70E-01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.165	4.67E-02	4.70E-01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.172	5.00E-02	4.90E-01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.255	9.00E-03	6.90E-02	—	pCi/L	—	—	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.39	1.47E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.38	1.47E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.304	1.00E-02	4.60E-02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.29	1.03E-02	6.30E-02	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.376	1.37E-02	8.90E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	1.00E-02	6.60E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.3	1.27E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.346	1.40E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0191	2.40E-03	3.10E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0152	2.57E-03	5.70E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.67E-03	5.30E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0182	2.07E-03	2.60E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.013	2.07E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0288	3.10E-03	4.40E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0303	2.70E-03	3.00E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.90E-03	5.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0145	3.33E-03	5.50E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.139	6.00E-03	3.10E-02	—	pCi/L	—	—	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.191	9.00E-03	5.70E-02	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.172	9.00E-03	6.20E-02	—	pCi/L	—	—	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.155	6.33E-03	3.00E-02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.135	6.33E-03	3.90E-02	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.00E-03	4.40E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	6.33E-03	3.00E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.156	8.33E-03	5.80E-02	—	pCi/L	—	—	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.209	1.00E-02	5.90E-02	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	35.4	—	—	2.10E+00	ug/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	32.8	—	—	2.40E+00	ug/L	—	—	10-506	CAMO-10-3236	GELC

Table C-3 Mortandad Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	26	—	—	2.10E+00	ug/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	30.8	—	—	2.20E+00	ug/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	96.4	—	—	2.30E+00	ug/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	77.4	—	—	2.10E+00	ug/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	6.24	—	—	3.50E+00	ug/L	J	J	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	11.1	—	—	3.50E+00	ug/L	—	J	10-506	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	20.1	—	—	3.50E+00	ug/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	16.8	—	—	3.50E+00	ug/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	64.1	—	—	3.50E+00	ug/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	60.3	—	—	3.50E+00	ug/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	3.24	—	—	2.50E-01	ug/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	1.9	—	—	2.50E-01	ug/L	—	—	10-506	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	4.58	—	—	2.50E-01	ug/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	3.3	—	—	2.50E-01	ug/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	10.6	—	—	2.50E-01	ug/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	10.9	—	—	2.50E-01	ug/L	—	—	09-1870	CAMO-09-8218	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	09/23/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/03/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3705	GELC
R-10	6381	874	09/23/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2785	GELC
R-10	6381	874	11/03/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-877	GELC
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	09/23/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10	6391	1042	09/23/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	05/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-1840	CASA-09-8271	GELC
R-10	6391	1042	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2788	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	uS/cm	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	uS/cm	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-890	CASA-09-2791	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.018	—	—	1.60E-02	mg/L	J	J-	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	—	U	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.8	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.8	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.01	—	—	6.60E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	J	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.69	—	—	6.60E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.04	—	—	6.60E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.97	—	—	6.60E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.437	—	—	3.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.395	—	—	3.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.58	—	—	3.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.509	—	—	3.30E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.471	—	—	3.30E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.5	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.7	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.3	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.6	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.6	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.2	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.1	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.09	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.2	—	—	8.50E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.41	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.07	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.29	—	—	8.50E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.17	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.03	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.28	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.98	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.11	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.98	—	—	1.00E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.01	—	—	1.00E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.824	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.821	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.746	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.817	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.723	—	—	5.00E-02	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	uS/cm	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3715	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	210	—	—	1.00E+00	uS/cm	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	uS/cm	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	210	—	—	1.00E+00	uS/cm	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.91	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.26	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.41	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.64	—	—	1.00E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.16	—	—	1.00E-01	mg/L	—	J-	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	20	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.50E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	1.50E+00	ug/L	—	—	09-1663	CASA-09-12365	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	1.50E+00	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.8	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.6	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.6	—	—	1.50E+00	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	37.5	—	—	3.00E+01	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-817	CASA-09-2784	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.68	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.82	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8274	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.02	—	—	1.00E+00	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.47	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.34	—	—	1.00E+00	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-817	CASA-09-2784	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.18	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	5.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	5.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.6	—	—	3.20E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	3.20E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.1	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.1	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.3	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.8	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.8	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	83.5	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.2	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.1	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.7	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.701	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.805	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.784	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.87	—	—	5.00E-02	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.729	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.856	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.781	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.91	—	—	5.00E-02	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.21	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.54	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.38	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.51	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.16	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.34	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.67	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.63	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.98	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.8	—	—	2.00E+00	ug/L	—	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	2.00E+00	ug/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	13.9	—	—	2.00E+00	ug/L	—	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	2.00E+00	ug/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00602	3.67E-03	3.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000644	1.40E-03	4.00E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0135	1.73E-03	3.60E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00222	6.33E-04	2.70E-02	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	8.00E-04	3.00E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00566	3.23E-03	2.90E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0149	4.33E-03	4.50E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000272	1.03E-03	3.90E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0161	3.23E-01	2.90E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.19	5.00E-01	4.80E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.841	3.33E-01	3.10E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.342	4.67E-01	4.60E+00	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.27	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.11	3.67E-01	3.80E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.232	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.54	3.67E-01	4.40E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.204	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.87	5.67E-01	5.10E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.38	4.00E-01	3.30E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.71	5.33E-01	6.00E+00	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.43	4.33E-01	4.80E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0313	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.813	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.43	4.67E-01	4.10E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.03	3.67E+00	2.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	126	2.17E+01	3.90E+02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89.3	1.93E+01	2.10E+02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	46.3	8.33E+00	5.40E+01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	1.67E+01	9.50E+01	—	pCi/L	—	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.61	3.67E+00	1.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	133	3.33E+01	4.20E+02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	95	2.37E+01	2.50E+02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19	2.83E+00	2.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.6	4.67E+00	3.90E+01	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.25	2.73E+00	2.90E+01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.53	3.00E+00	2.90E+01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.4	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.406	3.23E+00	2.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-15.7	4.00E+00	3.30E+01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.478	3.33E+00	3.00E+01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00369	1.73E-03	2.60E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00611	3.67E-03	3.60E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00771	3.67E-03	4.70E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00979	1.60E-03	3.30E-02	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0204	2.53E-03	3.00E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0123	2.40E-03	2.90E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00316	1.30E-03	2.80E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00488	2.30E-03	4.50E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00553	1.37E-03	3.20E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00815	1.93E-03	3.60E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00513	1.70E-03	5.50E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00783	1.60E-03	2.30E-02	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0037	1.97E-03	3.60E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00206	1.53E-03	3.50E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00632	1.07E-03	2.80E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.63E-03	5.20E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.5	4.33E+00	3.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	84	7.00E+00	7.90E+01	—	pCi/L	UI	R	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.27	4.67E+00	5.40E+01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.9	5.00E+00	5.20E+01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-25.7	5.33E+00	4.90E+01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.59	5.00E+00	5.20E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.38	6.33E+00	6.20E+01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.95	7.33E+00	4.40E+01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.288	3.67E-02	2.20E-01	—	pCi/L	—	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.267	4.00E-02	3.70E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.333	4.00E-02	3.40E-01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.189	4.00E-02	3.80E-01	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.318	8.00E-02	7.90E-01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.862	9.67E-02	7.60E-01	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0307	5.00E-02	5.60E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.465	5.67E-02	4.60E-01	—	pCi/L	—	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.481	4.67E-02	3.40E-01	—	pCi/L	—	—	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	3.33E-01	3.70E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.6	7.33E-01	4.50E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.462	3.33E-01	3.50E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.878	4.00E-01	4.30E+00	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.942	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.63	3.67E-01	4.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.31	5.67E-01	5.90E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.157	1.93E-02	2.10E-01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0338	4.00E-02	4.70E-01	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.106	2.70E-02	3.30E-01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0676	4.33E-02	4.70E-01	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.41	4.67E-02	4.10E-01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.06	2.23E-02	2.20E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0763	2.93E-02	3.10E-01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.825	5.00E-02	3.00E-01	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.689	2.20E-02	1.30E-01	—	pCi/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.64	1.73E-02	7.90E-02	—	pCi/L	—	—	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.639	1.67E-02	6.40E-02	—	pCi/L	—	—	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.589	2.47E-02	1.40E-01	—	pCi/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.546	1.90E-02	1.10E-01	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.597	2.03E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.696	1.90E-02	8.30E-02	—	pCi/L	—	—	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.577	1.50E-02	6.00E-02	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0648	6.67E-03	7.30E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00495	1.17E-03	3.70E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0221	2.37E-03	3.20E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0136	3.23E-03	7.90E-02	—	pCi/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0179	3.20E-03	5.40E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0151	5.67E-03	8.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0235	4.33E-03	3.90E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0273	2.77E-03	3.00E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.356	1.47E-02	6.70E-02	—	pCi/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.224	8.33E-03	4.90E-02	—	pCi/L	—	—	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.277	9.00E-03	3.80E-02	—	pCi/L	—	—	08-591	CASA-08-10546	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	1.37E-02	8.80E-02	—	pCi/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.276	1.20E-02	5.50E-02	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.256	1.30E-02	7.30E-02	—	pCi/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	8.67E-03	5.10E-02	—	pCi/L	—	—	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	8.33E-03	3.60E-02	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	253	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.045	—	—	3.30E-02	mg/L	J	J-	10-1773	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.402	—	—	3.30E-02	mg/L	—	J-	10-482	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.138	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.234	—	—	3.30E-02	mg/L	—	J-	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.473	—	—	2.90E-02	mg/L	—	J	09-982	CASA-09-3011	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	3.30E-01	mg/L	—	—	10-1773	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	10-482	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.19	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	3.30E-01	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.65	—	—	3.30E-01	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-982	CASA-09-3013	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.662	—	—	3.30E-01	mg/L	J	J	10-1773	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-482	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.942	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1661	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.729	—	—	3.30E-01	mg/L	J	J	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	09-887	CASA-09-3007	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	103	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	104	—	—	7.30E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.5	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.29	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.32	—	—	6.60E-02	mg/L	—	J+	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.18	—	—	6.60E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.42	—	—	6.60E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.14	—	—	6.60E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.625	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.504	—	—	3.30E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.411	—	—	3.30E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.345	—	—	3.30E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.3	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77	—	—	3.50E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	3.50E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.6	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.74	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.07	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	8.50E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.44	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.58	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.95	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.112	—	—	1.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.387	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.396	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.433	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.431	—	—	5.00E-02	ug/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.34	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.32	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.01	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.09	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.08	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.26	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.05	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.16	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	238	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3826	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	228	—	—	1.00E+00	uS/cm	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.46	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.64	—	—	1.00E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.38	—	—	1.00E-01	mg/L	—	J-	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	203	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	213	—	—	2.40E+00	mg/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	199	—	—	2.40E+00	mg/L	—	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.717	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.915	—	—	3.30E-01	mg/L	J	J	10-374	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2767	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1642	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.6	—	—	3.30E-01	mg/L	J	J	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.55	—	—	1.50E+00	ug/L	—	U	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.02	—	—	1.50E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.2	—	—	1.50E+00	ug/L	J	U	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	68	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	334	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	328	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	339	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.9	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	338	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	342	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.5	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.4	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.9	—	—	1.50E+01	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.9	—	—	1.00E+01	ug/L	J	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.1	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.6	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	36	—	—	1.50E+01	ug/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.1	—	—	1.00E+01	ug/L	J	J	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.88	—	—	2.50E+00	ug/L	JN	J	10-1948	CASA-10-9837	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.78	—	—	2.50E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.64	—	—	2.50E+00	ug/L	—	—	10-665	CASA-10-3895	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.02	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	ug/L	J	J	09-2768	CASA-09-10405	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.57	—	—	2.50E+00	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	1.50E+00	ug/L	—	—	09-1644	CASA-09-9294	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.42	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.42	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8304	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	29.2	—	—	2.50E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.7	—	—	2.50E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	25.9	—	—	2.50E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.9	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.55	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.89	—	—	2.00E+00	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.56	—	—	2.00E+00	ug/L	J	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.6	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.97	—	—	2.00E+00	ug/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.51	—	—	2.00E+00	ug/L	J	J	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.09	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.9	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.4	—	—	5.00E-01	ug/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.56	—	—	5.00E-01	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.6	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	ug/L	—	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.2	—	—	5.00E-01	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.4	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	84.7	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.8	—	—	5.30E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.5	—	—	3.20E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.4	—	—	3.20E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	161	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.616	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.663	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.625	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.639	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.566	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.668	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.9	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.6	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8304	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.1	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.7	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.2	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.4	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.30E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	2.00E+00	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.8	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.7	—	—	3.30E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.8	—	—	2.00E+00	ug/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000834	1.63E-03	4.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	3.03E-03	4.50E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00828	1.60E-03	3.60E-02	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	8.33E-04	3.40E-02	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00021	5.00E-04	2.60E-02	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0116	3.67E-03	3.90E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00779	3.33E-03	4.50E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.608	4.33E-01	4.00E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	5.01	6.67E-01	3.80E+00	—	pCi/L	UI	R	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.38	4.33E-01	3.90E+00	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.14	5.00E-01	4.30E+00	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.18	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.572	5.67E-01	5.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.701	4.00E-01	3.60E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.88	5.00E-01	5.70E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.17	4.33E-01	3.60E+00	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.743	4.67E-01	4.80E+00	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.917	5.33E-01	5.00E+00	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.508	4.00E-01	3.60E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.11	4.67E-01	3.90E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.158	5.00E-01	4.80E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	90.8	9.33E+00	6.50E+01	—	pCi/L	—	—	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	94.5	8.67E+00	8.40E+01	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.9	1.83E+00	2.00E+01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	46	6.67E+00	7.80E+01	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	141	1.33E+01	1.10E+02	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	76.9	2.13E+01	7.50E+01	—	pCi/L	—	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	39.3	1.30E+01	4.80E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.85	3.33E+00	3.10E+01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.2	3.67E+00	3.90E+01	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.3	3.23E+00	3.10E+01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.59	4.00E+00	3.90E+01	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.82	3.67E+00	3.50E+01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.28	4.00E+00	3.90E+01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.28	2.87E+00	3.00E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0025	1.17E-03	3.90E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	4.00E-03	3.70E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00329	4.00E-03	4.50E-02	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00669	1.37E-03	2.70E-02	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00925	4.67E-03	3.50E-02	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00207	7.00E-04	3.30E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00486	4.00E-03	3.40E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.01	2.37E-03	4.80E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00266	1.53E-03	5.30E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00121	1.30E-03	3.10E-02	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00334	1.10E-03	2.70E-02	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0162	2.17E-03	4.20E-02	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.97E-03	4.00E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00243	1.80E-03	4.90E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-18.7	5.00E+00	4.60E+01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	77.2	9.00E+00	3.50E+01	—	pCi/L	UI	R	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.2	5.67E+00	6.10E+01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.535	6.67E+00	7.10E+01	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.3	5.33E+00	5.80E+01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-44.6	6.33E+00	5.40E+01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.4	5.67E+00	5.70E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.223	4.00E-02	3.80E-01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	3.33E-02	3.20E-01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.16	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.309	5.67E-02	5.30E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC
R-35a	8331	1013.1	11/10/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.428	4.33E-02	3.50E-01	—	pCi/L	—	—	08-156	GWR35a-08-8636	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.564	1.03E-01	9.80E-01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	1.13E-01	8.90E-01	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0452	3.67E-02	4.00E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.233	8.67E-02	9.10E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC
R-35a	8331	1013.1	11/10/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.175	8.00E-02	8.30E-01	—	pCi/L	U	U	08-156	GWR35a-08-8636	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.238	3.67E-01	3.30E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.504	4.67E-01	4.20E+00	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.26	3.33E-01	3.90E+00	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.26	5.00E-01	4.60E+00	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0647	4.33E-01	4.10E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.748	4.33E-01	4.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.26	4.67E-01	5.00E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00906	3.33E-02	3.40E-01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0185	3.23E-02	3.80E-01	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0849	3.13E-02	3.20E-01	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.318	3.67E-02	4.10E-01	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.423	4.67E-02	4.30E-01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.126	2.57E-02	2.50E-01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	3.67E-02	4.60E-01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.563	1.77E-02	8.80E-02	—	pCi/L	—	—	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.50E-02	6.50E-02	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.504	2.10E-02	7.60E-02	—	pCi/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.475	1.43E-02	5.80E-02	—	pCi/L	—	—	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.435	1.37E-02	6.70E-02	—	pCi/L	—	J-	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.508	1.57E-02	7.90E-02	—	pCi/L	—	—	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.544	1.60E-02	6.90E-02	—	pCi/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0324	3.33E-03	4.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0123	1.97E-03	3.60E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0297	4.33E-03	6.00E-02	—	pCi/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0219	2.77E-03	2.90E-02	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00435	1.47E-03	3.30E-02	—	pCi/L	U	UJ	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0291	2.87E-03	3.70E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00651	1.63E-03	3.90E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.216	9.00E-03	4.40E-02	—	pCi/L	—	—	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.219	8.33E-03	4.10E-02	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.168	1.03E-02	5.40E-02	—	pCi/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.203	7.67E-03	3.60E-02	—	pCi/L	—	—	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.159	7.00E-03	3.30E-02	—	pCi/L	—	J-	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.208	8.33E-03	3.90E-02	—	pCi/L	—	—	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.234	8.67E-03	4.30E-02	—	pCi/L	—	—	09-809	CASA-09-3015	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.5	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.6	—	—	7.30E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	3.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	3.00E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.74	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.78	—	—	6.60E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.87	—	—	6.60E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.471	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.786	—	—	3.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.661	—	—	3.30E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.698	—	—	3.30E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.9	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.3	—	—	3.50E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.04	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	<	5.12	—	—	8.50E-02	mg/L	—	R	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.96	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.81	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.03	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	<	5.24	—	—	8.50E-02	mg/L	—	R	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.62	—	—	8.50E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.15	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.19	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.31	—	—	5.00E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.507	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.536	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.58	—	—	5.00E-02	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.531	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.547	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.12	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.62	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.59	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.46	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.47	—	—	1.00E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	164	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.851	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.434	—	—	3.30E-01	mg/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.582	—	—	3.30E-01	mg/L	J	J	09-2778	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1623	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-335	CASA-10-3831	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	39.1	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	ug/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	21.9	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.799	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.734	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.548	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.22	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.25	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2.17	—	—	2.00E+00	ug/L	J	R	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.84	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.89	—	—	2.00E+00	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2.64	—	—	2.00E+00	ug/L	J	R	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.06	—	—	2.00E+00	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.6	—	—	5.30E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	58.9	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.9	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.6	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.287	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.301	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.33	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.312	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.296	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.331	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.33	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.288	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	32.6	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9471	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.2	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.2	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.5	—	—	3.30E+00	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.3	—	—	2.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	35.8	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9470	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.5	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39.1	—	—	3.30E+00	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	2.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00749	2.23E-03	5.50E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00188	1.47E-03	3.70E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00484	2.47E-03	3.30E-02	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00454	8.00E-04	3.20E-02	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000568	8.67E-04	2.90E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00767	1.80E-03	4.00E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00745	2.40E-03	3.90E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.16	5.00E-01	5.00E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	6.00E-01	2.80E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.623	4.33E-01	4.00E+00	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.71	5.00E-01	5.20E+00	—	pCi/L	U	U	10-335	CASA-10-3830	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.232	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.61	5.00E-01	5.40E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0691	4.67E-01	4.70E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.773	5.00E-01	5.10E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.599	3.33E-01	3.20E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.92	4.33E-01	3.30E+00	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.47	6.33E-01	6.30E+00	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.143	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.13	5.67E-01	5.40E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.08	5.00E-01	5.20E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	135	4.00E+01	1.10E+02	—	pCi/L	—	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	17.2	4.33E+00	3.00E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	32.4	3.17E+00	2.60E+01	—	pCi/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	40.4	1.03E+01	4.70E+01	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	108	1.47E+01	7.50E+01	—	pCi/L	—	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	164	1.53E+01	8.80E+01	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	28.8	1.03E+01	5.00E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	24.1	4.00E+00	4.30E+01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	3.30E+00	3.30E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.4	3.07E+00	2.60E+01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.83	4.33E+00	3.50E+01	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.06	4.33E+00	4.30E+01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.33E+00	4.30E+01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.83	4.00E+00	3.70E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00198	1.13E-03	3.10E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00705	1.43E-03	2.40E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00213	1.20E-03	4.80E-02	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00474	1.17E-03	2.60E-02	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00173	2.23E-03	2.60E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00217	3.33E-03	3.40E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00523	1.73E-03	2.40E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00396	2.30E-03	3.80E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00529	1.33E-03	3.50E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.000826	1.20E-03	3.40E-02	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0111	1.73E-03	2.60E-02	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0156	1.90E-03	3.20E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.013	2.73E-03	4.20E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.43E-03	3.50E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.9	6.67E+00	6.70E+01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.06	6.00E+00	5.80E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-28	5.33E+00	4.60E+01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.2	6.33E+00	7.40E+01	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.4	6.33E+00	6.00E+01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-41.3	7.00E+00	6.00E+01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.45	5.33E+00	5.40E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0	3.33E-02	4.00E-01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.141	3.27E-02	3.30E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.409	5.33E-02	4.70E-01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.198	3.67E-02	3.60E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.157	3.33E-02	3.40E-01	—	pCi/L	U	U	08-156	GWR35b-08-8643	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.164	7.00E-02	7.30E-01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0792	7.67E-02	9.20E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.75	6.67E-02	4.40E-01	—	pCi/L	—	—	08-1662	CASA-08-14384	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.363	6.67E-02	6.20E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	8.67E-02	5.10E-01	—	pCi/L	—	—	08-156	GWR35b-08-8643	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.523	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.587	4.00E-01	4.10E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.42	4.33E-01	4.70E+00	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.23	5.00E-01	5.50E+00	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	5.00E-01	5.30E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.04	5.67E-01	6.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.401	4.67E-01	4.50E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0147	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.16	5.00E-02	4.80E-01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0108	3.03E-02	3.20E-01	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.129	4.00E-02	4.00E-01	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0119	4.67E-02	4.60E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0175	5.00E-02	5.00E-01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.228	4.00E-02	4.10E-01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.262	1.03E-02	8.30E-02	—	pCi/L	—	—	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.235	9.00E-03	7.20E-02	—	pCi/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.329	1.63E-02	8.20E-02	—	pCi/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.222	1.07E-02	9.40E-02	—	pCi/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.215	8.67E-03	7.00E-02	—	pCi/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.252	1.03E-02	8.50E-02	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.2	8.00E-03	6.80E-02	—	pCi/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0144	2.17E-03	4.20E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0136	2.83E-03	4.00E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0352	5.33E-03	6.50E-02	—	pCi/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.53E-03	4.80E-02	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00226	2.00E-03	3.40E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	2.83E-03	4.30E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00646	2.40E-03	3.80E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.11	6.00E-03	5.00E-02	—	pCi/L	—	—	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.108	5.33E-03	4.50E-02	—	pCi/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.119	9.00E-03	5.80E-02	—	pCi/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.089	6.67E-03	5.80E-02	—	pCi/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0733	4.33E-03	3.50E-02	—	pCi/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0887	6.00E-03	5.10E-02	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.108	5.33E-03	4.30E-02	—	pCi/L	—	—	09-791	CASA-09-3019	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.9	—	—	7.30E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.3	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.5	—	—	7.30E-01	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.60E-02	mg/L	HJ	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.111	—	—	6.60E-02	mg/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0945	—	—	6.60E-02	mg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.091	—	—	6.70E-02	mg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3834	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.68	—	—	6.60E-02	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.84	—	—	6.60E-02	mg/L	—	J+	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.55	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.95	—	—	6.60E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.82	—	—	6.60E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.797	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.653	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.711	—	—	3.30E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.553	—	—	3.30E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.3	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.23	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.27	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.3	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.43	—	—	1.00E-01	ug/L	—	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	1.00E-01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	2.00E-01	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.54	—	—	2.00E-01	ug/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.03	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10376	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	184	—	—	1.00E+00	uS/cm	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.06	—	—	1.00E-01	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.14	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.41	—	—	1.00E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.08	—	—	1.00E-01	mg/L	—	J-	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	177	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	3.30E-01	mg/L	—	—	10-1643	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.959	—	—	3.30E-01	mg/L	J	J	10-374	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.941	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1642	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.57	—	—	1.00E-02	SU	H	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.1	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.19	—	—	2.50E+00	ug/L	J	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.75	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.3	—	—	2.50E+00	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.66	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.66	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	1.50E+00	ug/L	—	—	09-1644	CASA-09-9296	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.01	—	—	2.50E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.28	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.99	—	—	2.50E+00	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.74	—	—	1.50E+00	ug/L	N	J-	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	122	—	—	3.00E+01	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	527	—	—	3.00E+01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.6	—	—	2.50E+01	ug/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.52	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-375	CASA-10-3834	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.624	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.761	—	—	5.00E-01	ug/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.6	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.19	—	—	2.00E+00	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.39	—	—	2.00E+00	ug/L	J	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.13	—	—	2.00E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.21	—	—	2.00E+00	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.53	—	—	2.00E+00	ug/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.06	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.77	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.73	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.85	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.85	—	—	1.00E-01	ug/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.11	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.76	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.87	—	—	5.00E-01	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	ug/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.1	—	—	3.20E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.7	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.9	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.277	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.271	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.338	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.284	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.281	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.348	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.313	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8311	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	62.8	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	68.6	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	70.3	—	—	3.30E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	75.3	—	—	2.00E+00	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.1	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	68.9	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	73	—	—	3.30E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	77.8	—	—	2.00E+00	ug/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00188	1.07E-03	3.80E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0204	2.50E-03	3.10E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00621	1.27E-03	3.20E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	6.67E-04	2.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00629	1.33E-03	4.00E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.92	4.67E-01	4.30E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.19	3.67E-01	3.80E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.744	3.67E-01	3.30E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.467	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	4.33E-01	4.40E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.715	4.67E-01	4.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.19	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.566	3.67E-01	3.50E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.4	4.67E-01	5.00E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.14	4.00E-01	3.70E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.539	1.47E-01	1.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.33E-01	2.00E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.2	1.97E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.151	2.37E-01	2.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.585	1.23E-01	1.20E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.539	1.47E-01	1.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.29	2.33E-01	2.00E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.2	1.97E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.151	2.37E-01	2.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.585	1.23E-01	1.20E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.78	2.57E-01	1.80E+00	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.22	2.50E-01	2.50E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.49	3.13E-01	2.40E+00	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.83	1.40E-01	1.30E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.4	2.83E-01	2.30E+00	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	61	1.00E+01	5.80E+01	—	pCi/L	—	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	98.3	1.37E+01	9.90E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.7	6.33E+00	3.50E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63	1.03E+01	6.20E+01	—	pCi/L	—	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.4	8.00E+00	2.80E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.64	3.67E+00	3.50E+01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.95	3.10E+00	3.00E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.28	3.30E+00	2.80E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.2	3.17E+00	2.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.65	3.07E+00	2.80E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00435	1.27E-03	3.40E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.30E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00438	3.27E-03	3.60E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00655	1.47E-03	3.30E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00195	9.33E-04	3.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00435	1.77E-03	4.20E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00195	1.13E-03	2.30E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00657	2.20E-03	3.60E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00218	1.27E-03	4.00E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00391	9.33E-04	3.70E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.5	6.00E+00	6.10E+01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.7	5.00E+00	5.50E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-26.2	5.33E+00	5.10E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.82	5.67E+00	5.50E+01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	5.00E+00	5.50E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.846	4.00E-01	3.60E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.86	3.67E-01	4.60E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.873	4.00E-01	4.20E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.15	5.00E-01	4.30E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.72	4.33E-01	3.40E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0741	2.87E-02	3.00E-01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0752	4.00E-02	4.10E-01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.181	4.33E-02	4.90E-01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.256	4.67E-02	4.50E-01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0442	2.97E-02	3.00E-01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.208	1.00E-02	1.20E-01	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.239	1.03E-02	7.90E-02	—	pCi/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.25	9.00E-03	6.40E-02	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.556	1.63E-02	6.80E-02	—	pCi/L	—	—	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.248	1.13E-02	1.20E-01	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00717	2.93E-03	5.40E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.17E-03	4.50E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.011	1.97E-03	3.20E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0199	2.50E-03	3.30E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00353	2.63E-03	5.30E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0841	6.00E-03	5.80E-02	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.113	6.67E-03	5.10E-02	—	pCi/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.116	5.67E-03	3.90E-02	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.206	8.00E-03	3.40E-02	—	pCi/L	—	—	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0885	6.00E-03	5.70E-02	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	6.38	—	—	2.10E+00	ug/L	J	J	10-1643	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	4.97	—	—	2.30E+00	ug/L	J	J	10-374	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	10.7	—	—	2.20E+00	ug/L	J	J	09-2798	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	9.36	—	—	2.10E+00	ug/L	J	J	09-1642	CASA-09-8311	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.3	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.6	—	—	7.30E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.3	—	—	7.30E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.2	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	3.00E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	3.00E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.75	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.38	—	—	6.60E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.07	—	—	6.60E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.6	—	—	6.60E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.39	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.365	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.38	—	—	3.30E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.414	—	—	3.30E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.4	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.4	—	—	3.50E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.2	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.5	—	—	3.50E-01	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.6	—	—	8.50E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.21	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.36	—	—	1.00E-01	mg/L	—	J	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.65	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	5.93	—	—	2.50E-01	mg/L	—	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.03	—	—	2.50E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.678	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.9	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.886	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.793	—	—	5.00E-02	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.873	—	—	5.00E-02	ug/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.77	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.01	—	—	1.00E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.83	—	—	1.00E-01	mg/L	—	J-	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.514	—	—	3.30E-01	mg/L	J	J	10-1596	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.699	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2938	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.52	—	—	3.30E-01	mg/L	—	—	09-2432	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.75	—	—	1.00E-02	SU	H	J-	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.3	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.2	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-1600	CASA-10-9838	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3896	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10403	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.25	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.35	—	—	1.50E+00	ug/L	J	J	09-2433	CAMO-09-10504	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	1.50E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.91	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.74	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.81	—	—	1.50E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.71	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	ug/L	—	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	ug/L	—	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	ug/L	—	U	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.93	—	—	5.00E-01	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	ug/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.93	—	—	5.00E-01	ug/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.64	—	—	5.00E-01	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.73	—	—	1.00E+00	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.18	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.85	—	—	1.00E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	ug/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	ug/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.84	—	—	1.00E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.49	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.64	—	—	1.00E+00	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.00E+00	ug/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	ug/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.8	—	—	5.30E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.2	—	—	3.20E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.2	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.8	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.1	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.2	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.098	—	—	5.00E-02	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.099	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.069	—	—	5.00E-02	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.123	—	—	5.00E-02	ug/L	J	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.16	—	—	5.00E-02	ug/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.16	—	—	5.00E-02	ug/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.101	—	—	5.00E-02	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.1	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.06	—	—	5.00E-02	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.18	—	—	5.00E-02	ug/L	J	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.85	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.93	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.3	—	—	1.00E+00	ug/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4	—	—	1.00E+00	ug/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.56	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.06	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.12	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.51	—	—	3.30E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.76	—	—	2.00E+00	ug/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.4	—	—	2.00E+00	ug/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.1	—	—	2.00E+00	ug/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.12	—	—	3.30E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.24	—	—	3.30E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.7	—	—	3.30E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	2.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.6	—	—	2.00E+00	ug/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0153	2.00E-03	3.90E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00063	6.67E-04	2.70E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00131	1.13E-03	3.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00195	6.00E-04	3.10E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00215	1.00E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00908	4.00E-03	3.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00449	9.67E-04	2.50E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.59	4.67E-01	4.20E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.18	4.67E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.03	5.33E-01	5.00E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.2	5.33E-01	4.30E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.776	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.227	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.44	4.33E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.23	4.67E-01	5.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.24	4.67E-01	4.30E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.59	5.67E-01	5.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.53	4.67E-01	3.90E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.234	5.33E-01	5.00E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.56	4.67E-01	4.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.705	4.33E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0419	1.53E-01	2.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.54	3.33E-01	2.50E+00	—	pCi/L	—	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0498	1.87E-01	2.50E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.128	1.33E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.117	1.10E-01	1.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0419	1.53E-01	2.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.54	3.33E-01	2.50E+00	—	pCi/L	—	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0498	1.87E-01	2.50E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.128	1.33E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.117	1.10E-01	1.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.56	2.43E-01	2.30E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.721	2.70E-01	2.70E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.45	2.87E-01	2.80E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.294	1.80E-01	2.00E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.48	2.17E-01	1.70E+00	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	1.10E+01	7.10E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	7.27	2.53E+00	1.40E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	83.1	1.70E+01	9.20E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	153	6.33E+01	1.20E+02	—	pCi/L	—	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	92.9	2.67E+01	1.20E+02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	67	6.00E+00	6.30E+01	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.8	8.67E+00	4.10E+01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.5	4.00E+00	3.60E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.81	3.67E+00	3.40E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.78	5.33E+00	5.20E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.99	4.00E+00	3.50E+01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.6	4.00E+00	3.40E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.25	3.67E+00	3.80E+01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13	3.33E+00	3.30E+01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0112	2.30E-03	2.90E-02	—	pCi/L	U	UJ	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00502	1.23E-03	2.40E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0174	2.33E-03	3.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.77E-03	3.60E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0152	2.03E-03	3.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00369	2.13E-03	3.30E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00332	1.57E-03	2.40E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00159	5.33E-04	2.90E-02	—	pCi/L	U	UJ	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00167	9.67E-04	2.90E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00194	1.43E-03	2.20E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.33E-03	3.60E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00338	1.77E-03	3.30E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.23E-03	3.40E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00664	1.10E-03	2.80E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	11.8	7.00E+00	7.50E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.8	6.67E+00	6.00E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.8	8.00E+00	8.30E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.17	5.67E+00	6.20E+01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.72	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.5	5.67E+00	6.10E+01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	49.2	7.33E+00	3.00E+01	—	pCi/L	UI	R	09-227	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0898	3.67E-02	4.80E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.233	3.67E-02	3.40E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.883	8.33E-02	5.50E-01	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.123	5.67E-02	6.30E-01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.377	8.33E-02	8.20E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.537	9.33E-02	8.70E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.272	5.33E-02	5.20E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.521	5.67E-02	4.10E-01	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.788	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.376	4.00E-01	4.10E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.101	6.00E-01	6.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.06	5.00E-01	5.40E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.234	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.731	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.263	4.67E-01	4.50E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0158	3.67E-02	4.10E-01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0823	4.33E-02	4.90E-01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.119	4.33E-02	4.50E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.197	4.00E-02	4.90E-01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0366	4.00E-02	4.60E-01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0821	5.67E-03	1.00E-01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.156	6.33E-03	5.80E-02	—	pCi/L	—	—	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.106	6.00E-03	7.60E-02	—	pCi/L	—	—	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0861	5.33E-03	7.30E-02	—	pCi/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0653	8.33E-03	1.30E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.107	7.00E-03	1.20E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.144	6.67E-03	5.80E-02	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00313	1.47E-03	4.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0144	2.07E-03	3.10E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00334	1.13E-03	4.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.67E-03	3.70E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0131	2.93E-03	6.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	3.33E-03	5.50E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0104	1.57E-03	3.10E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0405	4.00E-03	4.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0565	3.67E-03	3.10E-02	—	pCi/L	—	—	09-227	CASA-09-1019	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0433	4.00E-03	4.90E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0263	3.67E-03	4.50E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0248	6.00E-03	6.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0365	4.00E-03	5.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0537	3.33E-03	3.10E-02	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	8.86	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.94	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	3.17	—	—	7.30E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.9	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.1	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.1	—	—	7.30E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.1	—	—	7.30E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	3.00E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	3.00E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.62	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.67	—	—	6.60E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.81	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.97	—	—	6.60E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4	—	—	6.60E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.358	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.516	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.46	—	—	3.30E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.412	—	—	3.30E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	3.50E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.5	—	—	3.50E-01	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.08	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.56	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.16	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.91	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.27	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.4	—	—	1.00E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.695	—	—	5.00E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.469	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3860	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.731	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.756	—	—	5.00E-02	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.429	—	—	5.00E-02	ug/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.6	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.78	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.49	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.92	—	—	1.00E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.44	—	—	1.00E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.57	—	—	1.00E-02	SU	H	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.63	—	—	1.00E-02	SU	H	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.58	—	—	1.00E-02	SU	H	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.2	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.6	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.00E+01	ug/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.7	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.9	—	—	1.00E+01	ug/L	J	J	09-2408	CAMO-09-10508	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.79	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-636	CASA-10-3897	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2939	CASA-09-10404	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.04	—	—	1.50E+00	ug/L	J	U	09-2408	CAMO-09-10512	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3.4	—	—	1.50E+00	ug/L	—	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.92	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.87	—	—	1.50E+00	ug/L	—	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.52	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.17	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.15	—	—	1.00E-01	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.39	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.59	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.54	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.19	—	—	1.00E-01	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.71	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.61	—	—	5.00E-01	ug/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.938	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.07	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.98	—	—	5.00E-01	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.2	—	—	5.00E-01	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.4	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.7	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.4	—	—	3.20E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	3.20E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.8	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.6	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.6	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.5	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.434	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.2	—	—	5.00E-02	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.05	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.472	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.31	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.99	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.85	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.28	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.91	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	ug/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.041	4.67E-03	6.40E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00565	1.63E-03	2.10E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00867	2.17E-03	4.60E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0155	6.67E-03	5.00E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00202	6.00E-04	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.03E-03	3.80E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00553	1.33E-03	2.40E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.09	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.108	4.33E-01	4.30E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0096	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.881	4.67E-01	4.00E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.436	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.05	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.08	3.67E-01	3.40E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.545	4.67E-01	4.60E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.431	5.33E-01	5.40E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.29	4.67E-01	4.20E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.588	5.33E-01	4.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.618	3.67E-01	3.40E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.53	4.00E-01	3.80E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.534	1.23E-01	1.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.05	2.50E-01	2.50E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.672	2.60E-01	2.90E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.584	1.60E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.92	2.03E-01	2.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.534	1.23E-01	1.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.05	2.50E-01	2.50E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.672	2.60E-01	2.90E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.584	1.60E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.92	2.03E-01	2.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.93E-01	2.80E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.49	2.87E-01	2.60E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.38	2.57E-01	2.40E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.27	2.40E-01	2.30E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.17	2.40E-01	2.40E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	87.6	8.67E+00	7.10E+01	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.2	5.67E+00	5.00E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	66.6	1.63E+01	7.00E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	94.4	1.03E+01	8.00E+01	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	42.3	5.00E+00	4.50E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.5	1.23E+01	8.20E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.7	6.00E+00	6.10E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.6	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.53	4.33E+00	4.10E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.2	3.33E+00	3.40E+01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.2	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.6	4.00E+00	3.30E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19.3	2.93E+00	2.60E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0166	4.00E-03	4.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.40E-03	2.50E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00214	1.00E-03	3.60E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00463	1.53E-03	3.80E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00178	1.57E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00289	1.37E-03	5.20E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00509	1.50E-03	2.50E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00475	1.93E-03	4.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00173	1.30E-03	2.90E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00642	1.60E-03	2.50E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00694	1.53E-03	3.80E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-2.12E-10	8.33E-04	3.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00578	2.37E-03	5.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0119	1.60E-03	2.90E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-38.9	5.33E+00	4.10E+01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	4.25	6.00E+00	6.10E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25	8.33E+00	8.80E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.5	5.67E+00	3.20E+01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-39.5	5.33E+00	4.60E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	7.67E+00	4.00E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35	5.00E+00	4.80E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.136	2.83E-02	2.60E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.379	4.67E-02	3.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.73	6.33E-02	2.10E-01	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.351	6.00E-02	5.60E-01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.123	5.00E-02	5.20E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.3	1.27E-01	9.30E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.454	8.33E-02	7.80E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.45	1.23E-01	8.30E-01	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.107	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.741	4.33E-01	4.00E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.921	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.936	4.00E-01	3.70E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.389	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.423	4.33E-01	4.00E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.661	3.33E-01	3.00E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.252	5.00E-02	5.00E-01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.165	2.23E-02	2.10E-01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0611	4.00E-02	4.40E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0985	4.33E-02	4.70E-01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0593	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0498	4.00E-02	4.60E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00162	2.27E-02	2.30E-01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.182	7.33E-03	6.70E-02	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.954	2.30E-02	6.40E-02	—	pCi/L	—	—	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.17	3.33E-02	7.20E-02	—	pCi/L	—	—	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.906	2.57E-02	7.80E-02	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.375	1.53E-02	1.20E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.247	8.67E-03	6.60E-02	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.03	2.63E-02	8.10E-02	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00615	1.53E-03	3.00E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0296	3.17E-03	3.40E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0319	3.33E-03	4.10E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	2.97E-03	3.90E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0161	2.70E-03	6.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0143	1.83E-03	3.00E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0172	2.37E-03	4.30E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0664	4.00E-03	3.00E-02	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.35	1.07E-02	3.40E-02	—	pCi/L	—	—	09-261	CASA-09-1024	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.426	1.50E-02	4.70E-02	—	pCi/L	—	—	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.32	1.13E-02	4.80E-02	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	8.00E-03	6.00E-02	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.071	4.33E-03	3.00E-02	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.402	1.30E-02	4.30E-02	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	166	—	—	7.30E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	175	—	—	7.30E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	149	—	—	7.30E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.229	—	—	6.60E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.404	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.58	—	—	6.60E-02	mg/L	—	J+	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.611	—	—	6.70E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.1	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.7	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.1	—	—	3.00E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.7	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.8	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.6	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.3	—	—	3.00E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	263	—	—	3.30E+00	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	66.9	—	—	6.60E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	63.9	—	—	6.60E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	97.6	—	—	6.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	106	—	—	6.60E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.59	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.627	—	—	3.30E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.706	—	—	3.30E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	187	—	—	3.50E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.8	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	94.2	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	95.8	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92.6	—	—	3.50E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	181	—	—	3.50E-01	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.7	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	94.1	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.7	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.6	—	—	3.50E-01	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.9	—	—	8.50E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.1	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3621	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.28	—	—	8.50E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.47	—	—	8.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.31	—	—	8.50E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.09	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.33	—	—	8.50E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.3	—	—	8.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.41	—	—	8.50E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	30.1	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.3	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.8	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.9	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.2	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	197	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	75.9	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	76.2	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	98.1	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	183	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	74.5	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.4	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	96	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	109	—	—	4.50E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1320	—	—	1.00E+00	uS/cm	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	551	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	539	—	—	1.00E+00	uS/cm	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	702	—	—	1.00E+00	uS/cm	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	720	—	—	1.00E+00	uS/cm	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	33	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.09	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16	—	—	1.00E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	36	—	—	1.00E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	798	—	—	2.40E+00	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	396	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	490	—	—	2.40E+00	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	494	—	—	2.40E+00	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.3	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.06	—	—	1.00E-02	SU	H	J-	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.32	—	—	1.00E-02	SU	H	J-	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.38	—	—	1.00E-02	SU	H	J-	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.3	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	71.5	—	—	1.00E+00	ug/L	—	—	09-969	CASA-09-2858	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	136	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.3	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	87.2	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	74.3	—	—	1.00E+00	ug/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.6	—	—	1.50E+01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.50E+01	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	ug/L	—	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	68.2	—	—	1.00E+01	ug/L	—	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.4	—	—	1.50E+01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50	—	—	1.50E+01	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	ug/L	—	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	73.3	—	—	1.00E+01	ug/L	—	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.06	—	—	2.50E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3893	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.78	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.5	—	—	2.50E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	1.50E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.5	—	—	1.50E+00	ug/L	—	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.49	—	—	2.50E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.76	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	19.8	—	—	2.50E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	1.50E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	1.50E+00	ug/L	—	J	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	603	—	—	3.00E+01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	406	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	608	—	—	3.00E+01	ug/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	558	—	—	2.50E+01	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	676	—	—	2.50E+01	ug/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	622	—	—	3.00E+01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	445	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	635	—	—	3.00E+01	ug/L	—	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	602	—	—	2.50E+01	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	709	—	—	2.50E+01	ug/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	870	—	—	2.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	559	—	—	2.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	677	—	—	2.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	717	—	—	2.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	792	—	—	2.00E+00	ug/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	862	—	—	2.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	570	—	—	2.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	684	—	—	2.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	681	—	—	2.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	804	—	—	2.00E+00	ug/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.2	—	—	1.00E-01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.66	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.00E-01	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.88	—	—	1.00E-01	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11.7	—	—	1.00E-01	ug/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.47	—	—	1.00E-01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.64	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3620	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.83	—	—	1.00E-01	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.98	—	—	1.00E-01	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.8	—	—	1.00E-01	ug/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.06	—	—	5.00E-01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.35	—	—	5.00E-01	ug/L	J	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.95	—	—	5.00E-01	ug/L	J	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.1	—	—	5.00E-01	ug/L	—	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.38	—	—	5.00E-01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.991	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.02	—	—	5.00E-01	ug/L	J	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.873	—	—	5.00E-01	ug/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.3	—	—	5.00E-01	ug/L	J	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	107	—	—	5.30E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	102	—	—	5.30E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	121	—	—	2.70E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	1.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	99.3	—	—	1.60E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	212	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	UN	UJ	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.101	—	—	5.00E-02	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	UN	UJ	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.059	—	—	5.00E-02	ug/L	J	J	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.67	—	—	1.00E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.01	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.75	—	—	1.00E+00	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.67	—	—	1.00E+00	ug/L	J	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	ug/L	J	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.59	—	—	1.00E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.05	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.89	—	—	1.00E+00	ug/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.8	—	—	1.00E+00	ug/L	J	J	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.91	—	—	3.30E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.52	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.75	—	—	2.00E+00	ug/L	J	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.6	—	—	2.00E+00	ug/L	J	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.52	—	—	3.30E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.19	—	—	3.30E+00	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.65	—	—	2.00E+00	ug/L	J	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	2.00E+00	ug/L	—	—	09-969	CASA-09-2857	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.8	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	98.6	—	—	7.30E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.7	—	—	7.30E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.031	—	—	1.60E-02	mg/L	J	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.025	—	—	1.60E-02	mg/L	J	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.04	—	—	1.60E-02	mg/L	J	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.04	—	—	6.60E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.11	—	—	6.60E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.06	—	—	6.60E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.18	—	—	6.60E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.27	—	—	6.70E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.8	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.8	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.4	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	76.6	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	76.1	—	—	3.00E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.6	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.1	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	80.5	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	78.4	—	—	3.00E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.2	—	—	6.60E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.9	—	—	6.60E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	82	—	—	6.60E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.3	—	—	6.60E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.8	—	—	6.60E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.183	—	—	3.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.158	—	—	3.30E-02	mg/L	—	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	3.50E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	3.50E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	248	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	245	—	—	3.50E-01	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.7	—	—	8.50E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.88	—	—	8.50E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.5	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.2	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.247	—	—	5.00E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.29	—	—	1.00E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.37	—	—	1.00E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.934	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.932	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.969	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.17	—	—	1.00E-01	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.2	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.7	—	—	4.50E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.4	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.8	—	—	4.50E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	691	—	—	1.00E+00	uS/cm	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	660	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	703	—	—	1.00E+00	uS/cm	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	700	—	—	1.00E+00	uS/cm	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	717	—	—	1.00E+00	uS/cm	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	96.6	—	—	1.00E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	102	—	—	1.00E+00	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	100	—	—	1.00E+00	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	103	—	—	1.00E+00	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	106	—	—	1.00E+00	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	494	—	—	2.40E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	485	—	—	2.40E+00	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	497	—	—	2.40E+00	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	475	—	—	2.40E+00	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.84	—	—	3.30E-01	mg/L	—	—	10-594	CASA-10-3665	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.63	—	—	3.30E-01	mg/L	—	—	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.76	—	—	3.30E-01	mg/L	—	—	09-1771	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.22	—	—	3.30E-01	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.858	—	—	1.50E-02	mg/L	—	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.404	—	—	1.50E-02	mg/L	—	J	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.01	—	—	1.50E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.717	—	—	1.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.414	—	—	2.40E-02	mg/L	—	J	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J-	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J-	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.42	—	—	1.00E-02	SU	H	J-	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.2	—	—	1.00E+00	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	86.5	—	—	1.50E+01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	79.8	—	—	1.50E+01	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	93.1	—	—	1.00E+01	ug/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	94.7	—	—	1.00E+01	ug/L	—	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	85	—	—	1.50E+01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.5	—	—	1.50E+01	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	97	—	—	1.00E+01	ug/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	99.7	—	—	1.00E+01	ug/L	—	U	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11	—	—	7.50E+00	ug/L	J	J	09-1773	CASA-09-9291	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	1.50E+00	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	21.9	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.9	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.8	—	—	2.50E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.7	—	—	1.50E+00	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.13	—	—	3.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	17.2	—	—	3.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.23	—	—	3.00E+00	ug/L	J	J	09-1772	CASA-09-8266	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	11.3	—	—	3.00E+00	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	41.6	—	—	2.50E+01	ug/L	J	J	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	135	—	—	3.00E+01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	112	—	—	3.00E+01	ug/L	—	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	514	—	—	2.50E+01	ug/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	350	—	—	2.50E+01	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	87.9	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	93.9	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	91.1	—	—	1.00E-01	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	77.7	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	69.8	—	—	1.00E-01	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	91.7	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	93.2	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	94.2	—	—	1.00E-01	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	76.8	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	69.2	—	—	1.00E-01	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.38	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.62	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.41	—	—	5.00E-01	ug/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.86	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.7	—	—	5.00E-01	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.1	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.69	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.36	—	—	5.00E-01	ug/L	—	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.98	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.4	—	—	5.00E-01	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.6	—	—	5.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.8	—	—	3.20E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63	—	—	3.20E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	307	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	299	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.38	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.94	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.16	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	ug/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.24	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.96	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.33	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10350	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	ug/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.45	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	ug/L	J	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.71	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.5	—	—	1.00E+00	ug/L	J	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.12	—	—	1.00E+00	ug/L	J	J	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.35	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.52	—	—	1.00E+00	ug/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.12	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	ug/L	J	U	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.51	—	—	3.30E+00	ug/L	J	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.4	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.57	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.3	—	—	2.00E+00	ug/L	J	J	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.92	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.41	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.1	—	—	2.00E+00	ug/L	J	J	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00297	9.00E-04	2.60E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0144	2.93E-03	3.50E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00311	9.67E-04	3.50E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00449	1.60E-03	3.90E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00706	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00279	7.67E-04	2.70E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00679	1.07E-03	3.30E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000356	1.47E-03	3.90E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.888	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.19	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.32	5.00E-01	4.50E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.54	5.67E-01	5.00E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.615	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.905	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.723	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0295	4.00E-01	4.00E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.709	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.535	3.67E-01	3.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00248	4.67E-01	4.60E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.753	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.986	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.83	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.41	4.67E-01	4.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.08	3.33E-01	3.00E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	12.1	1.13E+01	3.60E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	111	3.33E+01	3.30E+02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	52	1.27E+01	1.80E+02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	280	1.03E+02	1.20E+02	—	pCi/L	—	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	140	2.13E+01	1.10E+02	—	pCi/L	—	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.6	6.33E+00	3.30E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	84.1	2.10E+01	2.30E+02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	2.27E+01	2.60E+02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.37	2.17E+00	2.00E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.65	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.54	3.33E+00	3.30E+01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	28.6	4.33E+00	4.60E+01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.1	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.85	3.10E+00	3.20E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.26	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.407	3.03E+00	2.70E+01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00179	2.60E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0055	2.37E-03	2.20E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00142	1.70E-03	2.70E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.03E-03	3.70E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0212	2.83E-03	2.90E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0054	2.33E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00652	1.90E-03	1.90E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00886	1.70E-03	2.90E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00358	1.70E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00916	2.03E-03	3.00E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00142	1.07E-03	2.90E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00221	1.27E-03	2.60E-02	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00193	1.70E-03	3.50E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0036	1.20E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00652	1.53E-03	2.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00295	1.00E-03	3.00E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.84	4.67E+00	4.70E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.85	9.00E+00	4.50E+01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	5.33	6.33E+00	5.50E+01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	7.00E+00	7.80E+01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.1	4.67E+00	5.20E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.88	6.00E+00	6.10E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7	5.67E+00	5.50E+01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.2	6.00E+00	5.00E+01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0524	2.17E-02	2.50E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.348	3.67E-02	2.80E-01	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.142	4.00E-02	4.40E-01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.341	7.00E-02	6.90E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.105	7.67E-02	8.00E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.592	7.67E-02	6.30E-01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.3	1.33E-01	5.30E-01	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.413	5.67E-02	5.20E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.231	4.67E-02	4.50E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.847	4.00E-01	3.50E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.262	5.00E-01	4.90E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.647	5.00E-01	4.30E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.52	5.33E-01	5.60E+00	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.56	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.67	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.637	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.21	6.00E-01	4.70E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	3.03E-02	2.80E-01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.122	2.00E-02	2.90E-01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00125	1.47E-02	1.50E-01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0589	4.67E-02	4.90E-01	—	pCi/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0186	3.17E-02	3.60E-01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.105	2.43E-02	2.50E-01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00927	2.40E-02	2.80E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0571	1.90E-02	2.00E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.56	3.33E-02	6.00E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.143	6.33E-03	6.90E-02	—	pCi/L	—	—	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.58	3.33E-02	5.70E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.45	4.00E-02	6.80E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	3.33E-02	7.60E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.6	3.33E-02	5.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.78	4.33E-02	1.10E-01	—	pCi/L	—	—	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.64	3.67E-02	6.20E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0882	5.00E-03	3.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	3.10E-03	3.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.101	5.33E-03	2.90E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.072	5.33E-03	3.90E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0342	3.33E-03	3.70E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0717	4.33E-03	2.80E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0488	5.00E-03	5.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0917	5.33E-03	3.20E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.728	1.80E-02	3.10E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0675	4.00E-03	4.20E-02	—	pCi/L	—	—	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.791	1.90E-02	3.80E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.677	2.10E-02	4.40E-02	—	pCi/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.647	1.90E-02	3.70E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.809	1.90E-02	2.70E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.792	2.30E-02	6.60E-02	—	pCi/L	—	—	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.691	1.73E-02	4.10E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	FD	Voa	SW-846:8260B	Chloroform	—	0.53	—	—	2.50E-01	ug/L	J	J	10-1678	CASA-10-9453	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.53	—	—	2.50E-01	ug/L	J	J	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.532	—	—	2.50E-01	ug/L	J	J	10-594	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.491	—	—	2.50E-01	ug/L	J	J	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.681	—	—	2.50E-01	ug/L	J	J	08-1720	CASA-08-14366	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000179	—	—	1.79E-05	ug/L	J	J	10-1692	CASA-10-9489	ALTC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000041	—	—	4.10E-06	ug/L	J	J	10-551	CASA-10-3716	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000286	—	—	2.86E-05	ug/L	J	J	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8]	<	3.89E-06	—	—	3.89E-06	ug/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000335	—	—	3.35E-05	ug/L	—	—	10-1692	CASA-10-9489	ALTC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000041	—	—	4.10E-06	ug/L	—	—	10-551	CASA-10-3716	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000554	—	—	5.54E-05	ug/L	—	—	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	3.89E-06	—	—	3.89E-06	ug/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000594	—	—	5.94E-05	ug/L	—	—	10-1692	CASA-10-9489	ALTC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000223	—	—	2.23E-05	ug/L	J	J	10-551	CASA-10-3716	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8]	—	0.0000747	—	—	7.47E-05	ug/L	B	—	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8]	<	0.0000032	—	—	3.20E-06	ug/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.4	—	—	7.30E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.5	—	—	7.30E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.7	—	—	7.30E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.6	—	—	7.30E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.051	—	—	1.60E-02	mg/L	—	J-	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	1.60E-02	mg/L	J	U	10-553	CASA-10-3717	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.04	—	—	1.60E-02	mg/L	J	U	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.077	—	—	1.60E-02	mg/L	—	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.459	—	—	6.60E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.468	—	—	6.60E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.424	—	—	6.60E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.194	—	—	6.60E-02	mg/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.498	—	—	6.70E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.7	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.2	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.7	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.8	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	62.4	—	—	3.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.5	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.4	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.8	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.9	—	—	3.00E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	55.1	—	—	6.60E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	56	—	—	3.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.3	—	—	6.60E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.1	—	—	3.30E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00798	—	—	1.50E-03	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00697	—	—	1.50E-03	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0057	—	—	1.70E-03	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.304	—	—	8.30E-03	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00802	—	—	1.70E-03	mg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.203	—	—	3.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.191	—	—	3.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	3.30E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	230	—	—	3.50E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	227	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	7.50E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	229	—	—	3.50E-01	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	229	—	—	3.50E-01	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	219	—	—	7.50E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.3	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	<	15.3	—	—	8.50E-02	mg/L	—	R	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	<	15.5	—	—	8.50E-02	mg/L	—	R	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	09-907	CASA-09-2992	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.43	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.43	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	1.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.36	—	—	1.00E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.36	—	—	1.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.936	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.991	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.51	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.38	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.56	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.61	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.49	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.71	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.39	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.2	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	4.50E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.2	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.4	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	4.50E-02	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	560	—	—	1.00E+00	uS/cm	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	577	—	—	1.00E+00	uS/cm	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	547	—	—	1.00E+00	uS/cm	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	551	—	—	1.00E+00	uS/cm	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	556	—	—	1.00E+00	uS/cm	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1.00E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	1.00E+00	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	5.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.1	—	—	1.00E+00	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	90.3	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	411	—	—	2.40E+00	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	378	—	—	2.40E+00	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.915	—	—	3.30E-01	mg/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.56	—	—	3.30E-01	mg/L	—	—	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.37	—	—	3.30E-01	mg/L	—	—	09-906	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.64	—	—	1.00E-02	SU	H	J-	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.5	—	—	1.00E-02	SU	H	J-	09-2774	CASA-09-10368	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	1.00E-02	SU	H	J-	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	131	—	—	6.80E+01	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	102	—	—	6.80E+01	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	440	—	—	6.80E+01	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.7	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.1	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.3	—	—	1.00E+00	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.5	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.7	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1.00E+00	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.50E+01	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.5	—	—	1.50E+01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	26.2	—	—	1.00E+01	ug/L	J	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	20.2	—	—	1.00E+01	ug/L	J	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.9	—	—	1.50E+01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	26.8	—	—	1.00E+01	ug/L	J	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	21.1	—	—	1.00E+01	ug/L	J	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	615	—	—	2.50E+01	ug/L	N	—	10-1948	CASA-10-12689	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	553	—	—	2.50E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	630	—	—	2.50E+01	ug/L	—	—	10-807	CASA-10-3894	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	637	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	502	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10406	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	510	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	586	—	—	1.50E+01	ug/L	—	—	09-1773	CASA-09-9297	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	593	—	—	1.50E+00	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	537	—	—	2.50E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	627	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	538	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	644	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	618	—	—	1.50E+00	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37	—	—	3.00E+01	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	48.4	—	—	3.00E+01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2774	CASA-09-10367	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	37.1	—	—	2.50E+01	ug/L	J	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	870	—	—	2.50E+01	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.29	—	—	2.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	4.12	—	—	2.00E+00	ug/L	J	R	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.79	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.3	—	—	2.00E+00	ug/L	J	J	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.64	—	—	2.00E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.4	—	—	2.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	3.98	—	—	2.00E+00	ug/L	J	R	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.63	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.9	—	—	2.00E+00	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.972	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.14	—	—	1.00E-01	ug/L	—	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.984	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.18	—	—	1.00E-01	ug/L	—	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.2	—	—	1.00E-01	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	15.5	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.3	—	—	5.00E-01	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.5	—	—	5.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	5.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	5.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.7	—	—	3.20E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	3.20E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	309	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	333	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	293	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	297	—	—	1.00E+01	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	320	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	321	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	296	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	306	—	—	1.00E+01	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.75	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9489	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.68	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.91	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.22	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.58	—	—	1.00E+00	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.05	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.29	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	ug/L	J	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	ug/L	J	J	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.56	—	—	3.30E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.06	—	—	3.30E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.32	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.5	—	—	2.00E+00	ug/L	J	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	3.30E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.29	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.4	—	—	2.00E+00	ug/L	—	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	—	0.064	—	—	3.80E-02	ug/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.1	—	—	3.30E-02	ug/L	U	U	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.116	—	—	3.90E-02	ug/L	U	U	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.106	—	—	3.50E-02	ug/L	U	U	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.112	—	—	3.70E-02	ug/L	U	U	09-906	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	2.07E-03	4.80E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00936	1.03E-02	1.20E-01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00092	3.67E-03	3.10E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000905	6.67E-04	3.70E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00126	1.20E-03	2.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00161	2.37E-03	4.00E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00101	5.00E-03	5.90E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.918	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.41	4.00E-01	4.50E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.84	5.00E-01	4.40E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.25	5.33E-01	4.60E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.2	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.39	4.33E-01	4.10E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.11	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.377	5.33E-01	4.20E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.807	5.67E-01	5.90E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.81	4.33E-01	4.70E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.188	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.745	4.67E-01	4.20E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.994	4.67E-01	4.80E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.83	2.37E-01	2.10E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.37	2.83E-01	2.60E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.97	3.00E-01	2.50E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.57	3.13E-01	2.90E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	1.90E-01	1.50E+00	—	pCi/L	—	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.83	2.37E-01	2.10E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.37	2.83E-01	2.60E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.97	3.00E-01	2.50E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.57	3.13E-01	2.90E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.69	1.90E-01	1.50E+00	—	pCi/L	—	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.2	3.13E-01	2.10E+00	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.65	3.20E-01	2.50E+00	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.36	3.27E-01	2.60E+00	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.59	3.67E-01	2.80E+00	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.39	3.17E-01	2.10E+00	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	89.9	8.00E+00	8.20E+01	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	5.67	1.17E+00	7.00E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	246	2.00E+01	1.60E+02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.8	1.10E+01	5.40E+01	—	pCi/L	—	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	215	2.33E+01	1.30E+02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	90.8	7.33E+00	6.80E+01	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.9	4.67E+00	4.00E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.59	4.00E+00	4.10E+01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.65	3.33E+00	3.00E+01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.33E+00	4.30E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.94	3.30E+00	3.40E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.9	4.67E+00	4.50E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	22.5	3.67E+00	3.90E+01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.89	4.33E+00	3.60E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00197	2.70E-03	3.10E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	3.57E-09	6.00E-03	5.30E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00226	1.70E-03	3.80E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.33E-04	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00629	2.10E-03	4.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00206	3.33E-03	3.20E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00497	4.33E-03	3.50E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00395	2.07E-03	3.80E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00749	3.67E-03	7.50E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00678	2.00E-03	2.60E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00198	1.47E-03	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00314	2.77E-03	5.80E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00822	3.33E-03	3.90E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00744	2.20E-03	5.00E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28.2	6.00E+00	6.50E+01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	6.63	5.33E+00	5.40E+01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.14	7.33E+00	7.70E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.9	4.33E+00	5.00E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.9	6.67E+00	6.90E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.3	6.67E+00	7.00E+01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.6	6.00E+00	6.20E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.974	5.00E-01	5.30E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.574	3.67E-01	3.50E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.83	5.33E-01	4.70E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	3.67E-01	3.30E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.136	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.103	6.00E-01	5.90E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2	4.33E-01	3.80E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.218	4.33E-02	4.10E-01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	4.00E-02	4.30E-01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0364	3.67E-02	4.20E-01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00923	4.33E-02	4.80E-01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.378	4.33E-02	4.20E-01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.325	4.67E-02	4.60E-01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.415	4.67E-02	4.50E-01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.728	2.23E-02	9.80E-02	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.684	1.87E-02	5.70E-02	—	pCi/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.797	2.23E-02	5.10E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.10E-02	7.10E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.577	1.70E-02	6.80E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.17E-02	9.10E-02	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.741	2.00E-02	5.80E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00902	3.67E-03	4.60E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	2.57E-03	2.60E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0135	2.13E-03	2.90E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0317	3.67E-03	3.60E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.33E-03	3.30E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	2.63E-03	4.20E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0298	2.87E-03	2.70E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.38	1.37E-02	4.90E-02	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.344	1.10E-02	3.40E-02	—	pCi/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.474	1.47E-02	3.30E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.442	1.43E-02	4.40E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.312	1.07E-02	3.40E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.361	1.27E-02	4.50E-02	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.415	1.27E-02	3.40E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.31	—	—	2.50E-01	ug/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.311	—	—	2.50E-01	ug/L	J	J	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.273	—	—	2.50E-01	ug/L	J	J	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.294	—	—	2.50E-01	ug/L	J	J	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.279	—	—	2.50E-01	ug/L	J	J	09-906	CASA-09-2992	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	264	—	—	7.30E-01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	146	—	—	7.30E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J-	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.016	—	—	1.60E-02	mg/L	J	J-	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.184	—	—	1.60E-02	mg/L	—	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.144	—	—	1.60E-02	mg/L	—	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.134	—	—	3.00E-02	mg/L	—	J-	09-849	CASA-09-2744	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.239	—	—	6.60E-02	mg/L	—	J+	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.447	—	—	6.60E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.314	—	—	6.60E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.4	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.8	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72.4	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3595	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.7	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1820	—	—	3.30E+01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.8	—	—	6.60E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.9	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00266	—	—	1.70E-03	mg/L	J	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00247	—	—	1.70E-03	mg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/08	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00324	—	—	1.50E-03	mg/L	J	J	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	—	—	02/14/08	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.656	—	—	1.70E-01	mg/L	H	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.855	—	—	3.30E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.66	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.539	—	—	3.30E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	370	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71	—	—	3.50E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.1	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	373	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.5	—	—	3.50E-01	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	116	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	46.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.35	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.2	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	46.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.16	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.06	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.54	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1	—	—	5.00E-02	mg/L	—	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.6	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	02/09/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.69	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.72	—	—	2.50E-01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.56	—	—	2.00E-01	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.468	—	—	5.00E-02	ug/L	—	J	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	571	—	—	2.50E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	599	—	—	2.50E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	912	—	—	5.00E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	71	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.7	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	109	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	963	—	—	5.00E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	73.4	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	111	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	7310	—	—	1.00E+00	uS/cm	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	480	—	—	1.00E+00	uS/cm	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	529	—	—	1.00E+00	uS/cm	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	780	—	—	1.00E+00	uS/cm	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	424	—	—	5.00E+01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.1	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.9	—	—	1.00E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.88	—	—	1.50E-02	mg/L	—	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.11	—	—	1.50E-02	mg/L	—	J-	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.68	—	—	1.50E-02	mg/L	—	J+	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.98	—	—	1.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.9	—	—	1.20E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.48	—	—	1.00E-02	SU	H	J-	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	121	—	—	6.80E+01	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	417	—	—	6.80E+01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	97.9	—	—	6.80E+01	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	517	—	—	6.80E+01	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	109	—	—	6.80E+01	ug/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	0.601	—	—	5.00E-01	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	1.47	—	—	5.00E-01	ug/L	J	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.712	—	—	5.00E-01	ug/L	J	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	1.09	—	—	5.00E-01	ug/L	J	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	233	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	28.3	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	237	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.2	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.95	—	—	2.50E+00	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/11/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-526	CASA-10-3892	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.41	—	—	2.50E+00	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	2.56	—	—	2.50E+00	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	1.50E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	39.1	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.88	—	—	2.50E+00	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.41	—	—	1.50E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	6.72	—	—	3.00E+00	ug/L	J	J	10-1502	CASA-10-9411	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.2	—	—	3.00E+00	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.16	—	—	3.00E+00	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.41	—	—	3.00E+00	ug/L	J	J	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.9	—	—	3.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6	—	—	3.00E+00	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.88	—	—	3.00E+00	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.88	—	—	3.00E+00	ug/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	236	—	—	3.00E+01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	281	—	—	3.00E+01	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	196	—	—	3.00E+01	ug/L	—	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	176	—	—	2.50E+01	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	589	—	—	3.00E+01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	339	—	—	3.00E+01	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	703	—	—	3.00E+01	ug/L	—	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	394	—	—	2.50E+01	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.687	—	—	5.00E-01	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.59	—	—	5.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.611	—	—	5.00E-01	ug/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	103	—	—	2.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	73.8	—	—	2.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.1	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	33.9	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	113	—	—	2.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	41.8	—	—	2.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	71.6	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	45	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.52	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.56	—	—	1.00E-01	ug/L	—	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.02	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.5	—	—	1.00E-01	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.47	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.16	—	—	1.00E-01	ug/L	—	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.21	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.53	—	—	1.00E-01	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.63	—	—	5.00E-01	ug/L	N	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.14	—	—	5.00E-01	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.12	—	—	5.00E-01	ug/L	N	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.57	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.95	—	—	5.00E-01	ug/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	92.3	—	—	5.30E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	125	—	—	2.70E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	2.70E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	102	—	—	3.20E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2813	CASA-09-10307	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	1.01	—	—	2.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.419	—	—	2.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	461	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.5	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	467	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86.6	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.368	—	—	5.00E-02	ug/L	—	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.554	—	—	5.00E-02	ug/L	—	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.963	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.364	—	—	5.00E-02	ug/L	—	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.387	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.72	—	—	5.00E-02	ug/L	—	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	42.9	—	—	3.30E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.5	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	34.5	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.3	—	—	3.30E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.2	—	—	3.30E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	24.1	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39.4	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.443	—	—	2.50E-01	ug/L	J	J	10-1501	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	10-365	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2812	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	08-1641	CASA-08-14332	GELC
Sandia below Wetlands	—	—	05/13/08	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	08-1132	CASA-08-12822	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	129	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	130	—	—	7.30E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	162	—	—	7.30E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.059	—	—	1.60E-02	mg/L	—	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.059	—	—	1.60E-02	mg/L	—	J-	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0808	—	—	1.60E-02	mg/L	—	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.075	—	—	1.60E-02	mg/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.293	—	—	3.00E-02	mg/L	—	J-	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.178	—	—	6.60E-02	mg/L	J	J	10-1538	CASA-10-9112	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.225	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.434	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.66	—	—	6.60E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.154	—	—	6.70E-02	mg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.2	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.1	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.7	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.6	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.5	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.3	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.9	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	176	—	—	6.60E+00	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	66.2	—	—	6.60E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	94.5	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	146	—	—	6.60E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.9	—	—	6.60E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.575	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.422	—	—	3.30E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	119	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	136	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.3	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	102	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.37	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.68	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.74	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.56	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.87	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.71	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.67	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.41	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.38	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.64	—	—	1.00E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.56	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.486	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.21	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.77	—	—	5.00E-01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.96	—	—	5.00E-01	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.424	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.479	—	—	5.00E-02	ug/L	—	J	09-1792	CASA-09-8240	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.57	—	—	2.00E-01	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.9	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	24.3	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.2	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	149	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	86.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	97.4	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	139	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	121	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.5	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	95.7	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	142	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	963	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	518	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	630	—	—	1.00E+00	uS/cm	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	740	—	—	1.00E+00	uS/cm	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	870	—	—	1.00E+00	uS/cm	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22	—	—	1.00E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.6	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.9	—	—	1.00E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.6	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	14	—	—	2.30E+00	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10.2	—	—	2.30E+00	mg/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.8	—	—	1.10E+00	mg/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	5	—	—	1.10E+00	mg/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	666	—	—	2.40E+00	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	364	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	443	—	—	2.40E+00	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	498	—	—	2.40E+00	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	571	—	—	2.40E+00	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.337	—	—	3.30E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.212	—	—	3.30E-02	mg/L	—	J+	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.472	—	—	3.30E-02	mg/L	—	J-	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.378	—	—	3.30E-02	mg/L	—	J+	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.339	—	—	2.90E-02	mg/L	—	—	09-847	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.04	—	—	3.30E-01	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.69	—	—	3.30E-01	mg/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.55	—	—	3.30E-01	mg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.95	—	—	3.30E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.28	—	—	3.30E-01	mg/L	—	—	09-847	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.27	—	—	1.50E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.5	—	—	1.50E-02	mg/L	—	J-	10-322	CASA-10-3559	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.89	—	—	7.50E-02	mg/L	—	J+	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.05	—	—	7.50E-02	mg/L	—	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.4	—	—	2.40E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.41	—	—	1.00E-02	SU	H	J-	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.75	—	—	1.50E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.29	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.7	—	—	1.50E+00	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.75	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.8	—	—	1.50E+00	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	46.5	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	23.2	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.7	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.2	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.03	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	47.4	—	—	1.50E+01	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	30	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	71.7	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	53.4	—	—	1.00E+01	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	42.7	—	—	1.00E+01	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49	—	—	1.50E+01	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	73.1	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	52.5	—	—	1.00E+01	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.5	—	—	1.00E+01	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.76	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.45	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3.94	—	—	1.50E+00	ug/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	9	—	—	7.50E+00	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.83	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	09-2813	CASA-09-10304	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.46	—	—	1.50E+00	ug/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	7.50E+00	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.8	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	2.7	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.65	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.91	—	—	3.00E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.3	—	—	3.00E+00	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.94	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.33	—	—	3.00E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.83	—	—	3.00E+00	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.4	—	—	3.00E+00	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	130	—	—	3.00E+01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	104	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	57.3	—	—	3.00E+01	ug/L	J	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	54.3	—	—	2.50E+01	ug/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	78.6	—	—	2.50E+01	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	227	—	—	3.00E+01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	105	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	<	76	—	—	3.00E+01	ug/L	J	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	90.7	—	—	2.50E+01	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	90.8	—	—	2.50E+01	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.21	—	—	5.00E-01	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	15	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.81	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.99	—	—	2.00E+00	ug/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.84	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.4	—	—	2.00E+00	ug/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44.4	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.79	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.94	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.5	—	—	2.00E+00	ug/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.61	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3559	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.68	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.66	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	ug/L	—	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.26	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.65	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.76	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	ug/L	—	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	1.16	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	1.61	—	—	1.00E+00	ug/L	J	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.05	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	1.57	—	—	1.00E+00	ug/L	J	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.06	—	—	1.00E+00	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	130	—	—	5.30E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	104	—	—	5.30E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	99.5	—	—	5.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	93.2	—	—	3.20E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	127	—	—	1.60E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	94	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	132	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.365	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.578	—	—	5.00E-02	ug/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.567	—	—	5.00E-02	ug/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	19.2	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.1	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2747	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	52.6	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.4	—	—	3.30E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.5	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	47.3	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	45.8	—	—	2.00E+00	ug/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	85.3	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	34.4	—	—	3.30E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	42.3	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	53	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	48.2	—	—	2.00E+00	ug/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	5.33	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	1.4	—	—	2.50E-01	ug/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	4.67	—	—	2.50E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	7.8	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Voa	EPA:624	Bromodichloromethane	<	1	—	—	—	ug/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	—	0.272	—	—	2.50E-01	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	<	1	—	—	2.50E-01	ug/L	U	U	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	—	2.99	—	—	2.50E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	<	1	—	—	—	ug/L	U	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Voa	EPA:624	Bromoform	<	1	—	—	—	ug/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	1.78	—	—	3.00E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	0.73	—	—	3.00E-01	ug/L	J	J	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	4.76	—	—	3.00E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	18.5	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Voa	EPA:624	Chlorodibromomethane	<	1	—	—	—	ug/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	6.04	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	1.35	—	—	2.50E-01	ug/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	2.86	—	—	2.50E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	1.9	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Voa	EPA:624	Chloroform	<	1	—	—	—	ug/L	U	—	114589	GU04060W12101	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	205	—	—	7.30E-01	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	205	—	—	7.30E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	141	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	147	—	—	7.30E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97	—	—	7.30E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.048	—	—	1.60E-02	mg/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.067	—	—	1.60E-02	mg/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.056	—	—	1.60E-02	mg/L	—	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.124	—	—	1.60E-02	mg/L	—	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.021	—	—	1.60E-02	mg/L	J	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	1.68	—	—	6.60E-02	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.7	—	—	6.60E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.59	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	43.3	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.2	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.8	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	41.8	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.7	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3562	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.5	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	67.4	—	—	6.60E-01	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64	—	—	6.60E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	13.1	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	11.9	—	—	6.60E-02	mg/L	—	J+	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.53	—	—	6.60E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00207	—	—	1.70E-03	mg/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0103	—	—	1.50E-03	mg/L	—	—	08-1215	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.526	—	—	3.30E-02	mg/L	—	J-	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.526	—	—	3.30E-02	mg/L	—	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.906	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.793	—	—	3.30E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.389	—	—	3.30E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	159	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	166	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	135	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.6	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.31	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.21	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.3	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.118	—	—	5.00E-02	mg/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.109	—	—	5.00E-02	mg/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.665	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.296	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.475	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.513	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.853	—	—	5.00E-02	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.637	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.349	—	—	5.00E-02	ug/L	—	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	46	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	46.6	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	23.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	44.5	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	46.3	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	20.9	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	75.3	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	77.9	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	45.4	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.2	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.6	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	71.2	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	75.3	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.1	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.4	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	44	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	801	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	793	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	266	—	—	1.00E+00	uS/cm	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	68.4	—	—	1.00E+00	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.9	—	—	1.00E+00	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.3	—	—	1.00E+00	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	58.3	—	—	5.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.4	—	—	1.00E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.4	—	—	1.10E+00	mg/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	1.10E+00	mg/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	5.4	—	—	1.10E+00	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.8	—	—	1.10E+00	mg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.30E+00	mg/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/09/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6	—	—	1.10E+00	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	666	—	—	2.40E+00	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	653	—	—	2.40E+00	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	453	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	259	—	—	2.40E+00	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.698	—	—	3.30E-02	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.04	—	—	3.30E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.401	—	—	3.30E-02	mg/L	—	J-	10-321	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.785	—	—	3.30E-02	mg/L	—	J	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.243	—	—	3.30E-02	mg/L	—	J+	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	12	—	—	3.30E-01	mg/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	11.9	—	—	3.30E-01	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.25	—	—	3.30E-01	mg/L	—	—	10-321	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.77	—	—	3.30E-01	mg/L	—	—	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.79	—	—	3.30E-01	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.77	—	—	1.50E-02	mg/L	—	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.54	—	—	1.50E-02	mg/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.01	—	—	1.50E-02	mg/L	—	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.52	—	—	1.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.03	—	—	1.50E-02	mg/L	—	J-	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.35	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.5	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.51	—	—	1.00E-02	SU	H	J-	09-2872	CASA-09-10315	GELC



Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.61	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6020	Arsenic	—	2.64	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.48	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.04	—	—	1.50E+00	ug/L	—	U	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.34	—	—	1.50E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.88	—	—	1.50E+00	ug/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.9	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.01	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	7.06	—	—	1.50E+00	ug/L	—	U	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.48	—	—	1.50E+00	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Barium	—	104	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	100	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	61.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	68.8	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	51.2	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Barium	—	96.9	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.5	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	89.5	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Boron	—	68.6	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	68.2	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	32.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	48.2	—	—	1.50E+01	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	35.1	—	—	1.00E+01	ug/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Boron	—	64.3	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	69	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.8	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.1	—	—	1.50E+01	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.00E+01	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6020	Chromium	—	6.1	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/20/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-647	CASA-10-3891	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	10.3	—	—	2.50E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	8.86	—	—	2.50E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.63	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.68	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.52	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.76	—	—	2.50E+00	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Copper	—	3.57	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	32.8	—	—	3.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.05	—	—	3.00E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Copper	—	5.03	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.54	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	60.8	—	—	3.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.9	—	—	3.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Iron	—	67.2	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	32.7	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	47.2	—	—	3.00E+01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2872	CASA-09-10315	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	53.8	—	—	2.50E+01	ug/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Iron	—	86.4	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	95.5	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.1	—	—	3.00E+01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	72	—	—	3.00E+01	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	80.4	—	—	2.50E+01	ug/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Manganese	—	76.9	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	74.6	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.86	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.4	—	—	2.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	27.8	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	65.2	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	67.9	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.04	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.8	—	—	2.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	24.8	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.89	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.85	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.96	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.74	—	—	1.00E-01	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.98	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.83	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.45	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6020	Selenium	—	3.82	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	3.51	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.09	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.24	—	—	1.00E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6020	Selenium	—	3.7	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	3.57	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.54	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.38	—	—	1.00E+00	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	179	—	—	5.30E-01	mg/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	183	—	—	5.30E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	196	—	—	5.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	173	—	—	2.70E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	104	—	—	3.20E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	222	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	211	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	223	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.67	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9405	GELC

Table C-4 Sandia Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.587	—	—	5.00E-02	ug/L	—	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.54	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.66	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.687	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	24.9	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	24.8	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	23.9	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	22.3	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	20.3	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	24.8	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	26.3	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	23.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	22.4	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	20.3	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	FD	Metals	SW-846:6010B	Zinc	—	14.7	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9409	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.9	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.41	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.48	—	—	3.30E+00	ug/L	J	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.75	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	19.1	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.5	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.43	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	11.1	—	—	3.30E+00	ug/L	—	U	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.02	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	10.4	—	—	3.50E+00	ug/L	—	—	10-1538	CASA-10-9410	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Acetone	—	11	—	—	3.50E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	U	10-321	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	ug/L	U	U	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.30E+00	ug/L	U	UJ	08-1646	CASA-08-14325	GELC

# **Appendix D**

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*Analytical Chemistry Screening Results*



The following pages provide (1) acronyms and abbreviations and (2) analytical laboratory qualifier codes. The secondary data validation summary is provided in Appendix F.

### Acronyms and Abbreviations

Code	Description
<b>Field Prep Codes</b>	
ASHED	Ashed
CRUSH	Crushed
F	Filtered
NA	Not analyzed
SV	Sieved
UA	Unassigned
UF	Unfiltered
UNK	Unknown
<b>Field QC Type Codes</b>	
CO	Collocated
EQB	Equipment blank
FB	Field blank
FD	Field duplicate
FPR	Field-prepared reagent
FPS	Field-prepared spike
FR	Field rinsate
FS	Field split
FTB	Field trip blank
FTR	Field triplicate
INB	Equipment blank taken during installation and not associated with a sampling event
ITB	Trip blank taken during installation and not associated with a sampling event
n/a	Not applicable
PE	Performance evaluation
PEB	Performance evaluation blank
PEK	Performance evaluation known
RES	Resample
SS	Special sampling event, data unique
UA	Unassigned
<b>Suite Codes</b>	
DIOX/FUR	Dioxins and furans
DRO	Diesel-range organics
GENINORG	General inorganics
GRO	Gasoline-range organics
HERB	Herbicides

**Acronyms and Abbreviations (continued)**

Code	Description
HEXP	High explosives
METALS	Metal
PEST/PCB	Pesticides and PCBs
RAD	Radionuclides
SVOA	Semivolatile organics
VOA	Volatile organics
<b>Lab Sample Type Codes</b>	
BLIND	Blind quality control
BS	Blank spike
BSD	Blank spike duplicate
CS	Client sample
DL	Dilution
DUP	Duplicate
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
LCST	Laboratory control sample triplicate
MB	Method blank
MBD	Method blank duplicate
MBT	Method blank triplicate
MS	Matrix spike
MSD	Matrix spike duplicate
MSQD	Matrix spike quadruplicate
MSQT	Fifth matrix spike
MST	Matrix spike triplicate
QNT	Fifth replicate
QUD	Quadruplicate
RE	Reanalysis
REDP	Reanalysis duplicate
RETRP	Reanalysis triplicate
RI	Reissue
RID	Reissue duplicate
SXT	Sixth replicate
TOTC	Calculated total
TOTCD	Calculated total for a duplicate
TRP	Triplicate



### Analytical Laboratory Qualifier Codes

Laboratory Qualifier Code	Laboratory Qualifier Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits. (Organic)—Spike recovery (relative percent difference) is equal to or outside the control criteria used.
B	(Organic)—Analyte present in the blank and the sample. (Inorganic)—Reported value was obtained from a reading that was less than the contract-required detection limit (CRDL), but greater than or equal to the instrument detection limit (IDL).
BJ	See B code and see J code.
BJP	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the IDL, but less than the CRDL. (J) (Organic/General inorganics)—The result for this analyte was greater than the method detection limit (MDL), but less than the practical quantitation limit (PQL). (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary gas chromatography (GC) columns were greater than 25% difference. (P) (SW-846 U.S. Environmental Protection Agency [EPA] Method 8310, High-Pressure Liquid Chromatography [HPLC] results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
BPX	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the IDL, but less than the CRDL. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310, High-Pressure Liquid Chromatography [HPLC] results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
DJ	(D) (Organic)—The result for this analyte was reported from a dilution. (J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL.
DNA	Did not analyze because equipment was broken.
E	EPA flag—The result for this analyte exceeded the upper range of the instrument initial calibration curve.
EJ	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic emission spectroscopy [ICP-AES])—The result for this analyte in the serial dilution analysis was outside acceptance criteria.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption [GFAA])—The result for this analyte failed one or more Contract Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
EN	See E code and see N code.

### Analytical Laboratory Qualifier Codes (continued)

Laboratory Qualifier Code	Laboratory Qualifier Description
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a TIC. (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
H	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.
H*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
HJ	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL.
HJ*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
INS	(d15N)—The d15N of nitrate is a signature of the nitrate present in a sample. Therefore, nitrate has to be present to have a signature. A d15N value cannot be given to a blank because the blank does not have nitrate. This is different than most analytical methods where one would run a blank and use the designator “nondetect” or detected, but below detection limit.
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
J*	This code is no longer used.
JB	See J code and see B code
JN	(J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL. (N) (Organic)—The reported analyte is a TIC.
JN*	(J) (Organic/Inorganic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL. (N) (Organic)—The reported analyte is a TIC.
JP	See J code and see P code.
N	(Organic)—Presumptive evidence of presence of material. (Inorganic)—Spiked sample recovery not within control limits.
N*	This code is no longer used.
P	This code is no longer used.
U	(Inorganic)—The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

**Analytical Laboratory Qualifier Codes (continued)**

Laboratory Qualifier Code	Laboratory Qualifier Description
U*	See U code and see * code.
UE	See U code and see E code.
UEN	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. Spiked sample recovery not within control limits.
UH	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.
UH*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Inorganic)—The result for this analyte in the Laboratory replicate analysis was outside acceptance criteria.
UI	This code is no longer used.
UN	EPA flag (Inorganic)—Compound was analyzed for, but was not detected. Spiked sample recovery not within control limits.
UN*	EPA flag (Inorganic)—Compound was analyzed for, but was not detected. Spiked sample recovery not within control limits. Duplicate analysis not within control limits.
X	The result for this analyte was not detected at the specified reporting limit (used for gas chromatography methods).

**Table D-1  
Previously Unreported Mortandad Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
Alluvial	MCO-3	SINGLE	2	08/12/09	GROSSA	UF	CS	I*	—	13.8	2.6	2.7	pCi/L	GELC	EPA:900	—	—	—	30	0.46	15	0.92
Alluvial	MCO-7	SINGLE	39	08/13/09	GROSSA	UF	CS	—	—	5.29	1.7	3.9	pCi/L	GELC	EPA:900	—	—	—	30	0.18	15	0.35
Regional	R-13	SINGLE	958.3	08/06/09	GROSSA	UF	CS	—	—	11.1	1.8	2.5	pCi/L	GELC	EPA:900	—	—	—	30	0.37	15	0.74

\* — None.

**Table D-2  
Previously Unreported Mortandad Groundwater Tritium**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-46	SINGLE	1340	11/13/09	H-3	UF	CS	I*	<	—	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-14	SINGLE	1200.6	11/04/09	H-3	UF	CS	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-33	MULTI	995.5	11/09/09	H-3	UF	CS	FD	<	-0.16	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-33	MULTI	995.5	11/09/09	H-3	UF	CS	—	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-33	MULTI	1112.4	11/06/09	H-3	UF	CS	—	<	-0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-42	SINGLE	931.8	11/05/09	H-3	UF	CS	—	—	216.49	7.02	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	880	11/16/09	H-3	UF	CS	—	—	1.66	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	974.9	11/16/09	H-3	UF	CS	—	<	0.77	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-44	MULTI	895	11/13/09	H-3	UF	CS	—	—	1.21	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-44	MULTI	985.3	11/13/09	H-3	UF	CS	—	<	0.45	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-34	SINGLE	883.7	11/12/09	H-3	UF	CS	—	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16r	SINGLE	600	11/16/09	H-3	UF	CS	—	<	0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16	MULTI	863.4	11/19/09	H-3	UF	CS	—	<	0.19	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16	MULTI	1237	11/19/09	H-3	UF	CS	—	<	0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

\* — None.

**Table D-3  
Previously Unreported Mortandad Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-34	SINGLE	884	11/12/09	—*	F	CS	ClO4	SW-846:6850	—	0.354	0.05	µg/L	1	—	—	—	GELC

\* — None.

**Table D-4  
Previously Unreported Mortandad Groundwater Organics**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)
Regional	R-34	SINGLE	883.7	11/12/09	FTB	UF	CS	VOA	Chloromethane	74-87-3	—*	0.32	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	190	—

\* — None.

**Table D-5  
Previously Unreported Mortandad Surface Water Radionuclides**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	NM Livestock Watering Screening Level	Ratio (Result/Screening Level)
WS	Mortandad below Effluent Canyon	08/18/09	GROSSA	UF	CS	—*	—	10.7	1.8	2.9	pCi/L	GELC	EPA:900	—	J+	R6b	15	0.71
WS	E-1FW	08/18/09	GROSSA	UF	CS	—	—	8.53	1.6	2.9	pCi/L	GELC	EPA:900	—	J+	R6b	15	0.57
WS	M-1W	08/17/09	GROSSA	UF	CS	—	—	11.4	1.7	2.9	pCi/L	GELC	EPA:900	—	—	—	15	0.76

\* — None.

**Table D-6  
Previously Unreported Sandia Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)
Regional	R-10	MULTI	1042	11/10/09	GROSSAB	UF	CS	—*	<	2.43	1	2.3	pCi/L	GELC	EPA:900	—	U	R11	—	—

\* — None.

**Table D-7  
Previously Unreported Sandia Groundwater Tritium**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	SCI-1	SINGLE	358.4	11/18/09	H-3	UF	CS	—*	—	97.71	3.19	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	SCI-2	SINGLE	548	11/17/09	H-3	UF	CS	—	—	494.92	15.97	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	459	11/12/09	H-3	UF	CS	—	—	75.99	2.55	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	504.5	11/12/09	H-3	UF	CS	—	—	54.28	1.92	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-43	MULTI	903.9	11/19/09	H-3	UF	CS	—	—	1.40	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-43	MULTI	969.1	11/19/09	H-3	UF	CS	—	<	0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-11	SINGLE	855	11/18/09	H-3	UF	CS	—	—	6.74	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-35b	SINGLE	825.4	11/03/09	H-3	UF	CS	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-35a	SINGLE	1013.1	11/04/09	H-3	UF	CS	—	<	0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-36	SINGLE	766.9	11/04/09	H-3	UF	CS	FD	—	19.64	0.64	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-36	SINGLE	766.9	11/04/09	H-3	UF	CS	—	—	20.18	0.67	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-10	MULTI	874	09/23/09	H-3	UF	CS	—	<	-0.19	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-10	MULTI	874	11/10/09	H-3	UF	CS	—	<	—	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-10	MULTI	1042	09/23/09	H-3	UF	CS	—	—	0.29	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-10	MULTI	1042	11/10/09	H-3	UF	CS	—	<	-0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-10a	SINGLE	690	11/10/09	H-3	UF	CS	—	<	0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

\* — None.



**Table D-8**  
**Previously Unreported Sandia Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-10	MULTI	874	11/10/09	—*	F	CS	ClO4	SW-846:6850	—	0.54	0.05	µg/L	1	—	—	—	GELC
Regional	R-10	MULTI	1042	11/10/09	—	F	CS	ClO4	SW-846:6850	—	0.529	0.05	µg/L	1	—	—	—	GELC
Regional	R-10a	SINGLE	690	11/10/09	—	F	CS	ClO4	SW-846:6850	—	0.855	0.05	µg/L	1	—	—	—	GELC

\* — None.

**Table D-9**  
**Previously Unreported Sandia Surface Water Tritium**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
WS	South Fork of Sandia Canyon at E122	11/02/09	H-3	UF	CS	PEB	<	0.13	0.29	0.28737	—*	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

\* — None.

**Table D-10**  
**Mortandad Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Scr Lvl	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	MCO-3	SINGLE	2	02/02/10	Am-241	UF	CS	—*	—	0.11	0.017	0.035	pCi/L	GELC	HASL-300:AM-241	—	—	—	30	—	1.2	0.09	—	—	—	—
Alluvial	MCO-3	SINGLE	2	02/02/10	H-3	UF	CS	—	—	6320	630	170	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.32	—	—
Alluvial	MCO-3	SINGLE	2	02/02/10	Pu-238	UF	CS	—	—	0.0659	0.015	0.047	pCi/L	GELC	HASL-300:ISOPU	—	—	—	40	—	1.6	0.04	—	—	—	—
Alluvial	MCO-3	SINGLE	2	02/02/10	Pu-239/240	UF	CS	—	—	0.0612	0.015	0.033	pCi/L	GELC	HASL-300:ISOPU	—	—	—	30	—	1.2	0.05	—	—	—	—
Alluvial	MCO-3	SINGLE	2	02/02/10	Ra-226	UF	CS	—	<	0.473	0.16	0.4	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.12	5	0.09	30	0.02
Alluvial	MCO-3	SINGLE	2	02/02/10	Sr-90	UF	CS	—	—	29.3	2.5	0.7	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.03	40	0.73	8	3.66	—	—
Alluvial	MT-3	SINGLE	44	02/03/10	GROSSAB	UF	CS	—	<	3.29	1.1	2.2	pCi/L	GELC	EPA:900	—	U	R11	—	—	—	—	—	—	—	—
Alluvial	MT-3	SINGLE	44	02/03/10	H-3	UF	CS	—	—	887	110	180	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.04	—	—
Intermediate	MCOI-4	SINGLE	499	01/26/10	H-3	UF	CS	—	—	6350	710	540	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.32	—	—
Intermediate	MCOI-5	SINGLE	689	01/25/10	H-3	UF	CS	—	—	3020	310	170	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.04	20000	0.15	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	H-3	UF	CS	FD	—	6050	680	540	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.3	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	H-3	UF	CS	—	—	7000	780	540	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.09	20000	0.35	—	—
Regional	R-14	SINGLE	1200.6	02/03/10	Ra-226	UF	CS	—	<	0.411	0.15	0.39	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.1	5	0.08	30	0.01
Regional	R-1	SINGLE	1031.1	02/11/10	Ra-228	UF	CS	—	<	0.948	0.32	0.82	pCi/L	GELC	EPA:904	—	U	R11	100	0.01	4	0.24	5	0.19	30	0.03
Regional	R-33	MULTI	995.5	01/28/10	Ra-226	UF	CS	—	—	0.777	0.21	0.37	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.19	5	0.16	30	0.03
Regional	R-33	MULTI	1112.4	01/28/10	Ra-226	UF	CS	—	—	1.53	0.33	0.5	pCi/L	GELC	EPA:903.1	—	—	—	100	0.02	4	0.38	5	0.31	30	0.05
Regional	R-45	MULTI	880	01/27/10	Ra-226	UF	CS	—	—	0.785	0.2	0.38	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.2	5	0.16	30	0.03
Regional	R-44	MULTI	895	02/10/10	Ra-226	UF	CS	—	—	0.404	0.12	0.25	pCi/L	GELC	EPA:903.1	—	—	—	100	—	4	0.1	5	0.08	30	0.01
Regional	R-44	MULTI	895	02/10/10	Ra-228	UF	CS	—	—	1.03	0.32	0.79	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.26	5	0.21	30	0.03
Regional	R-16r	SINGLE	600	02/04/10	Ra-226	UF	CS	—	<	0.267	0.099	0.23	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.07	5	0.05	30	0.01

\* — None.

**Table D-11  
Mortandad Groundwater Inorganics**

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)	NIMED GW CONS Scr Lvl	Ratio (Result/Screening Level)
Cl(-1)	Alluvial	MCO-2	SINGLE	2	01/29/10	F	FD	CS	—*	2750	—	66	mg/L	GELC	—	—	—	—	—	250	11	250	11
Cl(-1)	Alluvial	MCO-2	SINGLE	2	01/29/10	F	—	CS	—	3300	—	66	mg/L	GELC	—	—	—	—	—	250	13.2	250	13.2
Cl(-1)	Alluvial	MCO-3	SINGLE	2	02/02/10	F	—	CS	—	131	—	1.3	mg/L	GELC	—	—	—	—	—	250	0.52	250	0.52
ClO4	Alluvial	MCO-4B	SINGLE	8.9	02/03/10	F	—	CS	—	3.3	—	0.25	µg/L	GELC	—	J	PE12e	—	—	—	—	4	0.83
ClO4	Alluvial	MCO-5	SINGLE	21	01/27/10	F	—	CS	—	5.57	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.39
ClO4	Alluvial	MCO-6	SINGLE	27	01/27/10	F	—	CS	—	6.04	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.51
ClO4	Alluvial	MCO-7	SINGLE	39	01/28/10	F	—	CS	—	7.26	—	1	µg/L	GELC	—	J	PE12e	—	—	—	—	4	1.82
ClO4	Alluvial	MCO-7.5	SINGLE	35	01/28/10	F	FD	CS	—	10.9	—	1	µg/L	GELC	—	J	PE12e	15	0.73	—	—	4	2.73
ClO4	Alluvial	MCO-7.5	SINGLE	35	01/28/10	F	—	CS	—	11.7	—	1	µg/L	GELC	—	J	PE12e	15	0.78	—	—	4	2.93
ClO4	Alluvial	MT-3	SINGLE	44	02/03/10	F	—	CS	—	14.1	—	1	µg/L	GELC	—	J	PE12e	15	0.94	—	—	4	3.53
ClO4	Intermediate	MCOI-4	SINGLE	499	01/26/10	F	—	CS	—	50.2	—	5	µg/L	GELC	—	—	—	15	3.35	—	—	4	12.55
ClO4	Intermediate	MCOI-5	SINGLE	689	01/25/10	F	—	CS	—	84.5	—	10	µg/L	GELC	—	—	—	15	5.63	—	—	4	21.13
ClO4	Intermediate	MCOI-6	SINGLE	686	01/26/10	F	FD	CS	—	81.9	—	10	µg/L	GELC	—	—	—	15	5.46	—	—	4	20.48
ClO4	Intermediate	MCOI-6	SINGLE	686	01/26/10	F	—	CS	—	83.6	—	10	µg/L	GELC	—	—	—	15	5.57	—	—	4	20.9
ClO4	Regional	R-15	SINGLE	958.6	02/11/10	F	—	CS	—	6.97	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.74
F(-1)	Alluvial	MCO-2	SINGLE	2	01/29/10	F	FD	CS	—	8.48	—	0.33	mg/L	GELC	—	J-	I6a	4	2.12	1.6	5.3	1.6	5.3
F(-1)	Alluvial	MCO-2	SINGLE	2	01/29/10	F	—	CS	—	8.75	—	0.33	mg/L	GELC	—	J-	I6a	4	2.19	1.6	5.47	1.6	5.47
F(-1)	Alluvial	MCO-5	SINGLE	21	01/27/10	F	—	CS	—	0.843	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.53	1.6	0.53
F(-1)	Alluvial	MCO-6	SINGLE	27	01/27/10	F	—	CS	—	0.941	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.59	1.6	0.59
F(-1)	Alluvial	MCO-7	SINGLE	39	01/28/10	F	—	CS	—	0.958	—	0.033	mg/L	GELC	—	J-	I6a	—	—	1.6	0.6	1.6	0.6
F(-1)	Alluvial	MCO-7.5	SINGLE	35	01/28/10	F	FD	CS	—	1.14	—	0.033	mg/L	GELC	—	J-	I6a	—	—	1.6	0.71	1.6	0.71
F(-1)	Alluvial	MCO-7.5	SINGLE	35	01/28/10	F	—	CS	—	1.13	—	0.033	mg/L	GELC	—	J-	I6a	—	—	1.6	0.71	1.6	0.71
F(-1)	Alluvial	MT-3	SINGLE	44	02/03/10	F	—	CS	—	1.48	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.93	1.6	0.93
NO3+NO2-N	Intermediate	MCOI-4	SINGLE	499	01/26/10	F	—	CS	—	9.08	—	0.25	mg/L	GELC	—	—	—	10	0.91	10	0.91	10	0.91
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	01/26/10	F	FD	CS	—	11.5	—	0.25	mg/L	GELC	—	—	—	10	1.15	10	1.15	10	1.15
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	01/26/10	F	—	CS	—	11.6	—	0.25	mg/L	GELC	—	—	—	10	1.16	10	1.16	10	1.16
NO3+NO2-N	Regional	R-42	SINGLE	931.8	02/10/10	F	—	CS	—	5.99	—	0.1	mg/L	GELC	—	—	—	10	0.6	10	0.6	10	0.6
TDS	Alluvial	MCO-2	SINGLE	2	01/29/10	F	FD	CS	—	6060	—	2.4	mg/L	GELC	—	—	—	—	—	1000	6.06	1000	6.06
TDS	Alluvial	MCO-2	SINGLE	2	01/29/10	F	—	CS	—	6180	—	2.4	mg/L	GELC	—	—	—	—	—	1000	6.18	1000	6.18

\* — None.

**Table D-12**  
**Mortandad Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	MCO-2	SINGLE	2	01/29/10	—*	F	CS	CIO4	SW-846:6850	—	0.184	0.05	µg/L	1	J	J	PE12e	GELC
Alluvial	MCO-2	SINGLE	2	01/29/10	FD	F	CS	CIO4	SW-846:6850	—	0.247	0.05	µg/L	1	—	J	PE12e	GELC
Alluvial	MCO-3	SINGLE	2	02/02/10	—	F	CS	CIO4	SW-846:6850	—	0.977	0.05	µg/L	1	—	—	—	GELC
Alluvial	MCO-4B	SINGLE	9	02/03/10	—	F	CS	CIO4	SW-846:6850	—	3.3	0.25	µg/L	5	—	J	PE12e	GELC
Alluvial	MCO-5	SINGLE	21	01/27/10	—	F	CS	CIO4	SW-846:6850	—	5.57	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-6	SINGLE	27	01/27/10	—	F	CS	CIO4	SW-846:6850	—	6.04	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-7	SINGLE	39	01/28/10	—	F	CS	CIO4	SW-846:6850	—	7.26	1	µg/L	20	—	J	PE12e	GELC
Alluvial	MCO-7.5	SINGLE	35	01/28/10	—	F	CS	CIO4	SW-846:6850	—	11.7	1	µg/L	20	—	J	PE12e	GELC
Alluvial	MCO-7.5	SINGLE	35	01/28/10	FD	F	CS	CIO4	SW-846:6850	—	10.9	1	µg/L	20	—	J	PE12e	GELC
Alluvial	MT-3	SINGLE	44	02/03/10	—	F	CS	CIO4	SW-846:6850	—	14.1	1	µg/L	20	—	J	PE12e	GELC
Intermediate	MCOI-4	SINGLE	499	01/26/10	—	F	CS	CIO4	SW-846:6850	—	50.2	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	01/25/10	—	F	CS	CIO4	SW-846:6850	—	84.5	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	01/26/10	—	F	CS	CIO4	SW-846:6850	—	83.6	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	01/26/10	FD	F	CS	CIO4	SW-846:6850	—	81.9	10	µg/L	200	—	—	—	GELC
Regional	R-46	SINGLE	1340	02/05/10	—	F	CS	CIO4	SW-846:6850	—	0.282	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-14	SINGLE	1201	02/03/10	—	F	CS	CIO4	SW-846:6850	—	0.26	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-1	SINGLE	1031	02/11/10	—	F	CS	CIO4	SW-846:6850	—	0.327	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	01/28/10	—	F	CS	CIO4	SW-846:6850	—	0.37	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-33	MULTI	1112	01/28/10	—	F	CS	CIO4	SW-846:6850	—	0.322	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-15	SINGLE	959	02/11/10	—	F	CS	CIO4	SW-846:6850	—	6.97	0.5	µg/L	10	—	—	—	GELC
Regional	R-42	SINGLE	932	02/10/10	—	F	CS	CIO4	SW-846:6850	—	1.38	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	02/03/10	—	F	CS	CIO4	SW-846:6850	—	0.815	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-45	MULTI	880	01/27/10	—	F	CS	CIO4	SW-846:6850	—	0.538	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	01/27/10	PEB	UF	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Regional	R-45	MULTI	975	01/27/10	—	F	CS	CIO4	SW-846:6850	—	0.383	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	01/27/10	FD	F	CS	CIO4	SW-846:6850	—	0.375	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	02/10/10	—	F	CS	CIO4	SW-846:6850	—	0.382	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	02/10/10	—	F	CS	CIO4	SW-846:6850	—	0.315	0.05	µg/L	1	—	—	—	GELC

Table D-12 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-13	SINGLE	958	02/11/10	—	F	CS	CIO4	SW-846:6850	—	0.347	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	02/11/10	FD	F	CS	CIO4	SW-846:6850	—	0.342	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	02/04/10	—	F	CS	CIO4	SW-846:6850	—	0.317	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-16	MULTI	863	02/08/10	—	F	CS	CIO4	SW-846:6850	—	0.44	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	02/08/10	—	F	CS	CIO4	SW-846:6850	—	0.347	0.05	µg/L	1	—	—	—	GELC

\* — None.

Table D-13  
Mortandad Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	MCO-2	SINGLE	2	01/29/10	Ba	F	CS	FD	—*	2360	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	1.18	1000	2.36
Alluvial	MCO-2	SINGLE	2	01/29/10	Ba	F	CS	—	—	2350	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	1.18	1000	2.35
Alluvial	MCO-2	SINGLE	2	01/29/10	Ba	UF	CS	FD	—	2330	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	1.17	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	Ba	UF	CS	—	—	2350	1	µg/L	GELC	—	—	—	SW-846:6010B	2000	1.18	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	Fe	F	CS	FD	—	505	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.51
Alluvial	MCO-2	SINGLE	2	01/29/10	Mn	F	CS	FD	—	463	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.32
Alluvial	MCO-2	SINGLE	2	01/29/10	Mn	F	CS	—	—	461	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.31
Intermediate	MCOI-6	SINGLE	686	01/26/10	Cr	F	CS	FD	—	51.1	2.5	µg/L	GELC	—	J	l4a	SW-846:6020	100	0.51	50	1.02
Intermediate	MCOI-6	SINGLE	686	01/26/10	Cr	F	CS	—	—	50.2	2.5	µg/L	GELC	—	J	l4a	SW-846:6020	100	0.5	50	1

Table D-13 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	MCOI-6	SINGLE	686	01/26/10	Cr	UF	CS	FD	—	57.6	2.5	µg/L	GELC	—	J	I4a	SW-846:6020	100	0.58	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	Cr	UF	CS	—	—	51.1	2.5	µg/L	GELC	—	J	I4a	SW-846:6020	100	0.51	—	—
Regional	R-46	SINGLE	1340	02/05/10	Sb	UF	CS	—	—	3.7	0.5	µg/L	GELC	—	J	I4a	SW-846:6020	6	0.62	—	—
Regional	R-42	SINGLE	931.8	02/10/10	Cr	F	CS	—	—	894	25	µg/L	GELC	—	—	—	SW-846:6020	100	8.94	50	17.88
Regional	R-42	SINGLE	931.8	02/10/10	Cr	F	CS	—	—	1240	50	µg/L	GELC	—	—	—	SW-846:6020	100	12.4	50	24.8
Regional	R-42	SINGLE	931.8	02/10/10	Cr	UF	CS	—	—	1180	50	µg/L	GELC	—	—	—	SW-846:6020	100	11.8	—	—
Regional	R-28	SINGLE	934.3	02/03/10	Cr	F	CS	—	—	321	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.21	50	6.42
Regional	R-28	SINGLE	934.3	02/03/10	Cr	UF	CS	—	—	325	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.25	—	—

\* — None.

**Table D-14**  
**Mortandad Groundwater Organics**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	MCO-2	SINGLE	2	01/29/10	FD	UF	CS	VOA	Acetone	67-64-1	—*	32.7	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	—	UF	CS	VOA	Acetone	67-64-1	—	21.2	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	FD	UF	CS	VOA	Butanone[2-]	78-93-3	—	6.08	1.3	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	—	UF	CS	VOA	Butanone[2-]	78-93-3	—	3.37	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Alluvial	MCO-2	SINGLE	2	01/29/10	FB	UF	CS	VOA	Chloroform	67-66-3	—	0.3	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.16	—	—	100	—
Alluvial	MCO-5	SINGLE	21	01/27/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.5	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	MCO-7	SINGLE	39	01/28/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.31	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	MCO-7.5	SINGLE	35	01/28/10	FB	UF	CS	VOA	Chloroform	67-66-3	—	0.27	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.14	—	—	100	—
Intermediate	MCOI-5	SINGLE	689	01/25/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	7.08	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	61	0.12	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	FD	UF	CS	SVOA	Benzo(a)anthracene	56-55-3	—	0.252	0.22	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	0.29	0.87	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	—	UF	CS	SVOA	Benzo(a)anthracene	56-55-3	—	0.266	0.25	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	0.29	0.92	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	FD	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	19.4	2.2	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.32	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	20.9	2.5	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.34	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	FD	UF	CS	VOA	Chloroform	67-66-3	—	0.276	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.15	—	—	100	—
Intermediate	MCOI-6	SINGLE	686	01/26/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.285	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.15	—	—	100	—
Regional	R-46	SINGLE	1340	02/05/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	35.4	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	6	5.9	48	0.74	—	—	—	—
Regional	R-46	SINGLE	1340	02/05/10	—	UF	CS	VOA	Acetone	67-64-1	—	6.24	3.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-46	SINGLE	1340	02/05/10	—	UF	CS	VOA	Toluene	108-88-3	—	3.24	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-33	MULTI	995.5	01/28/10	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	—	0.00000352	0.00000352	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-42	SINGLE	931.8	02/10/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.0000011	0.0000011	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-42	SINGLE	931.8	02/10/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.0000011	0.0000011	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-42	SINGLE	931.8	02/10/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	0.984	0.55	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.16	48	0.02	—	—	—	—
Regional	R-45	MULTI	880	01/27/10	—	UF	CS	VOA	Acetone	67-64-1	—	3.53	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-44	MULTI	895	02/10/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.000000486	0.000000486	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-44	MULTI	895	02/10/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.000000486	0.000000486	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-44	MULTI	895	02/10/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.44	0.3	µg/L	1	HJ	J-	V9	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.000000633	0.000000633	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.000000633	0.000000633	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—



Table D-14 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-44	MULTI	985.3	02/10/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.00000101	0.00000101	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	—	0.00000125	0.00000125	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	—	0.00000125	0.00000125	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	—	0.000000938	0.000000938	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	
Regional	R-44	MULTI	985.3	02/10/10	FB	UF	CS	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	55722-27-5	—	0.000000405	0.000000405	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	
Regional	R-13	SINGLE	958.3	02/11/10	FTB	UF	CS	VOA	Chloromethane	74-87-3	—	0.55	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	
Regional	R-16	MULTI	863.4	02/08/10	FD	UF	CS	VOA	Acetone	67-64-1	—	10.6	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	
Regional	R-16	MULTI	863.4	02/08/10	—	UF	CS	VOA	Acetone	67-64-1	—	10.4	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	
Regional	R-16	MULTI	1237	02/08/10	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.06	20	0.01	—	—	100	

\* — None.

Table D-15  
Mortandad Surface Water Radionuclides

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE BCG Water Scr Lvl	Ratio (Result/Screening Level)	NM Livestock Watering Scr Lvl	Ratio (Result/Screening Level)	NMED Radiation Protection Standard	Ratio (Result/Screening Level)
WS	E-1FW	02/02/10	GROSSA	UF	CS	—*	—	23.2	3.9	2.8	pCi/L	GELC	EPA:900	—	—	—	—	—	15	1.55	—	—
WS	E-1FW	02/02/10	GROSSAB	UF	CS	—	—	23.2	3.9	2.8	pCi/L	GELC	EPA:900	—	—	—	—	—	—	—	—	—
WS	E-1FW	02/02/10	Pu-239/240	UF	CS	—	—	0.0464	0.01	0.024	pCi/L	GELC	HASL-300:ISOPU	—	—	—	200	—	—	—	20	—

\* — None.

**Table D-16**  
**Mortandad Surface Water Perchlorate**

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	E-1FW	02/02/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

\* — None.

**Table D-17**  
**Mortandad Surface Water Metals**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)
WS	E-1FW	02/02/10	Al	F	CS	—*	—	14000	68	µg/L	GELC	—	—	—	SW-846:6010B	750	18.67	87	160.92
WS	E-1FW	02/02/10	Cd	F	CS	—	—	0.171	0.11	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	0.2	0.86
WS	E-1FW	02/02/10	Cr	F	CS	—	—	146	2.5	µg/L	GELC	E	—	—	SW-846:6020	—	—	74.1	1.97
WS	E-1FW	02/02/10	Cu	F	CS	—	—	13.5	3	µg/L	GELC	—	—	—	SW-846:6010B	13.4	1.01	9	1.5
WS	E-1FW	02/02/10	Pb	F	CS	—	—	5.67	0.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	2.5	2.27

\* — None.

**Table D-18**  
**Mortandad Surface Water Organics**

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	Scr Lvl	Ratio (Result/Screening Level)
WS	E-1FW	02/02/10	—*	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.000319	0.000319	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.000617	0.000617	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	—	0.000103	0.000103	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	55673-89-7	—	0.0000101	0.0000101	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	—	0.000387	0.000387	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Hexachlorodibenzodioxins (Total)	34465-46-8	—	0.0000748	0.0000748	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	—	0.00000285	0.00000285	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	—	0.0000742	0.0000742	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	—	0.00274	0.00274	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	—	0.000319	0.000319	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Pentachlorodibenzodioxins (Total)	36088-22-9	—	0.00000791	0.00000791	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—
WS	E-1FW	02/02/10	—	UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4	—	0.00000775	0.00000775	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—

\* — None.

**Table D-19**  
**Sandia Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Scr Lvl	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWWCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-43	MULTI	903.9	02/02/10	GROSSAB	UF	CS	—*	<	2.54	1	2.5	pCi/L	GELC	EPA:900	—	U	R11	—	—	—	—	—	—	—	—
Regional	R-11	SINGLE	855	01/29/10	Ra-226	UF	CS	—	<	0.288	0.11	0.22	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.07	5	0.06	30	0.01

\* — None.

**Table D-20  
Sandia Groundwater Inorganics**

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Cl(-1)	Alluvial	SCA-1-DP	MULTI	2.16	01/25/10	F	—*	CS	—	263	—	3.3	mg/L	GELC	—	—	—	—	—	250	1.05
NO3+NO2-N	Regional	R-43	MULTI	903.9	02/02/10	F	—	CS	—	5.21	—	0.1	mg/L	GELC	—	—	—	10	0.52	10	0.52
TDS	Alluvial	SCA-1-DP	MULTI	2.16	01/25/10	F	—	CS	—	798	—	2.4	mg/L	GELC	—	—	—	—	—	1000	0.8

\* — None.

**Table D-21  
Sandia Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	SCA-1-DP	MULTI	2	01/25/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	SCI-1	SINGLE	358	02/05/10	—	F	CS	ClO4	SW-846:6850	—	0.934	0.1	µg/L	2	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	02/08/10	—	F	CS	ClO4	SW-846:6850	—	1.01	0.1	µg/L	2	—	—	—	GELC
Regional	R-43	MULTI	904	02/02/10	—	F	CS	ClO4	SW-846:6850	—	0.678	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-43	MULTI	969	02/02/10	—	F	CS	ClO4	SW-846:6850	—	0.411	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-11	SINGLE	855	01/29/10	—	F	CS	ClO4	SW-846:6850	—	0.824	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	02/11/10	—	F	CS	ClO4	SW-846:6850	—	0.536	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	02/11/10	FD	F	CS	ClO4	SW-846:6850	—	0.507	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	02/11/10	—	F	CS	ClO4	SW-846:6850	—	0.387	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	02/04/10	—	F	CS	ClO4	SW-846:6850	—	1.43	0.1	µg/L	2	—	J	PE12e	GELC

\* — None.

**Table D-22  
Sandia Groundwater Metals**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NM/QCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	01/25/10	Fe	F	CS	—*	—	603	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.6
Alluvial	SCA-1-DP	MULTI	2.16	01/25/10	Mn	F	CS	—	—	870	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	4.35
Intermediate	SCI-2	SINGLE	548	02/08/10	Cr	F	CS	—	—	553	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.53	50	11.06
Intermediate	SCI-2	SINGLE	548	02/08/10	Cr	F	CS	—	—	615	25	µg/L	GELC	Noncancer	—	—	SW-846:6020	100	6.15	50	12.3
Intermediate	SCI-2	SINGLE	548	02/08/10	Cr	UF	CS	—	—	537	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.37	—	—

\* — None.

**Table D-23  
Sandia Groundwater Organics**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NM/QCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-1	SINGLE	358.4	02/05/10	FD	UF	CS	VOA	Chloroform	67-66-3	—*	0.53	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.28	100	0.01
Intermediate	SCI-1	SINGLE	358.4	02/05/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.53	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.28	100	0.01
Intermediate	SCI-2	SINGLE	548	02/08/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	—	0.0000179	0.0000179	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	02/08/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.0000335	0.0000335	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	02/08/10	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	—	0.0000594	0.0000594	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	02/08/10	—	UF	CS	PEST/PCB	Aroclor-1260	11096-82-5	—	0.064	0.038	µg/L	1	J	J	J_LAB	SW-846:8082	GELC	0.5	0.13	0.34	0.19	1	0.06
Intermediate	SCI-2	SINGLE	548	02/08/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.31	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.16	100	—
Regional	R-36	SINGLE	766.9	02/04/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	6.38	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	1.06	48	0.13	—	—

\* — None.

**Table D-24**  
**Sandia Surface Water Perchlorate**

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	Sandia below Wetlands	01/29/10	—*	F	CS	ClO4	SW-846:6850	—	2.72	0.25	µg/L	5	—	—	—	GELC
WS	Sandia right fork at Power Plant	02/01/10	—	F	CS	ClO4	SW-846:6850	—	5.77	0.5	µg/L	10	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	02/01/10	—	F	CS	ClO4	SW-846:6850	—	0.513	0.05	µg/L	1	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	02/01/10	FD	F	CS	ClO4	SW-846:6850	—	0.475	0.05	µg/L	1	—	—	—	GELC

\* — None.

**Table D-25**  
**Sandia Surface Water Metals**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM WQCC WLDLF HAB Scr Lvl	Ratio (Result/Screening Level)
WS	Sandia right fork at Power Plant	02/01/10	Cu	F	CS	—*	—	5.65	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	9	0.63	—	—	—	—
WS	South Fork of Sandia Canyon at E122	02/01/10	Se	UF	CS	FD	—	3.7	1	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	—	—	5	0.74	5	0.74
WS	South Fork of Sandia Canyon at E122	02/01/10	Se	UF	CS	—	—	3.57	1	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	—	—	5	0.71	5	0.71
WS	Sandia below Wetlands	01/29/10	Cu	F	CS	—	—	6.72	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.5	9	0.75	—	—	—	—

\* — None.

**Table D-26**  
**Sandia Surface Water Organics**

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Human Health Scr Lvl	Ratio (Result/Screening Level)
WS	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Bromodichloromethane	75-27-4	—*	5.33	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	170	0.03
WS	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Bromoform	75-25-2	—	0.272	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1400	—
WS	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	1.78	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	130	0.01
WS	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Chloroform	67-66-3	—	6.04	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	4700	—
WS	Sandia below Wetlands	01/29/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.443	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	4700	—

\* — None.



**Table D-26  
Sandia Surface Water Organics**

Field Matrix Code	Hdr 2	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Human Health Scr Lvl	Ratio (Result/Screening Level)
WS	E121	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Bromodichloromethane	75-27-4	—*	5.33	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	170	0.03
WS	E121	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Bromoform	75-25-2	—	0.272	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1400	—
WS	E121	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	1.78	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	130	0.01
WS	E121	Sandia right fork at Power Plant	02/01/10	—	UF	CS	VOA	Chloroform	67-66-3	—	6.04	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	4700	—
WS	E123	Sandia below Wetlands	01/29/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.443	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	4700	—

\* — None.

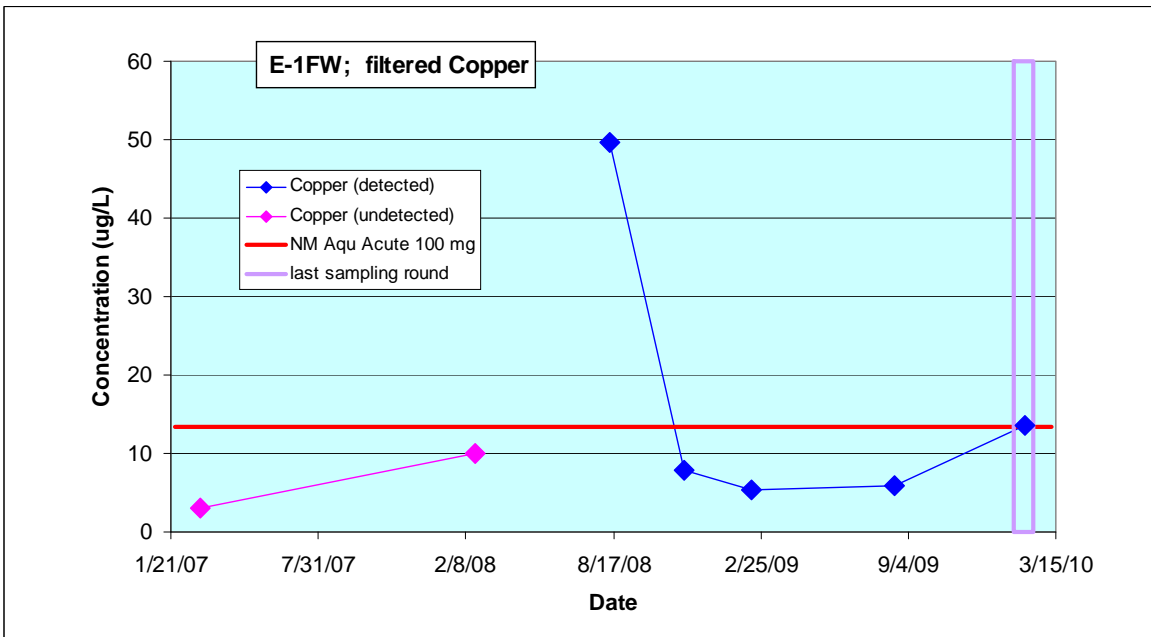
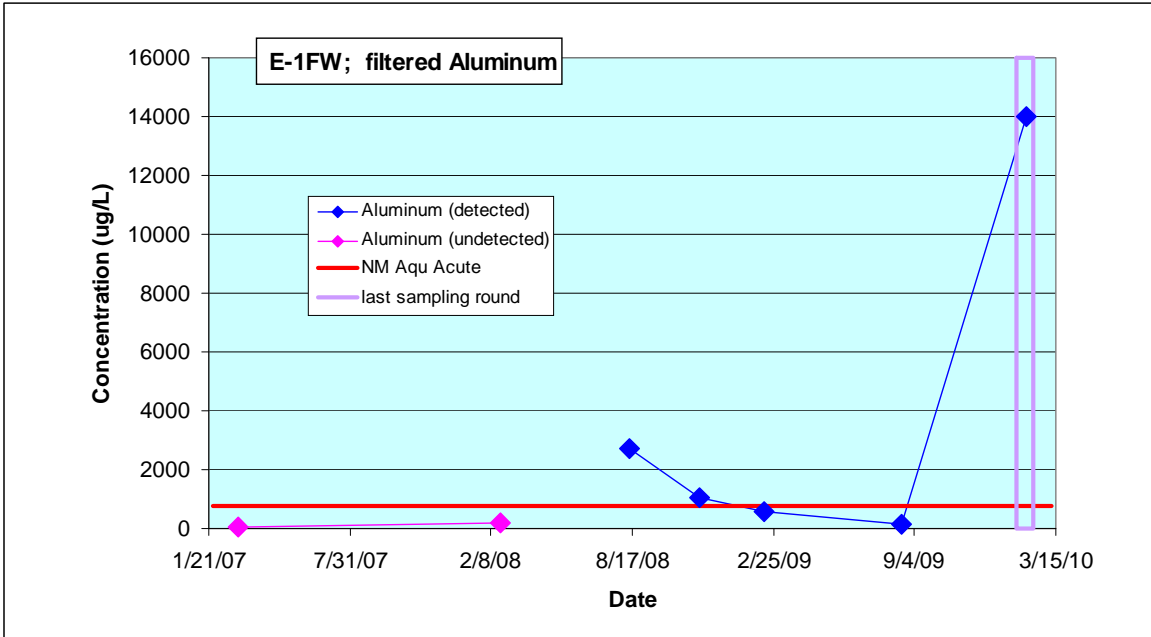
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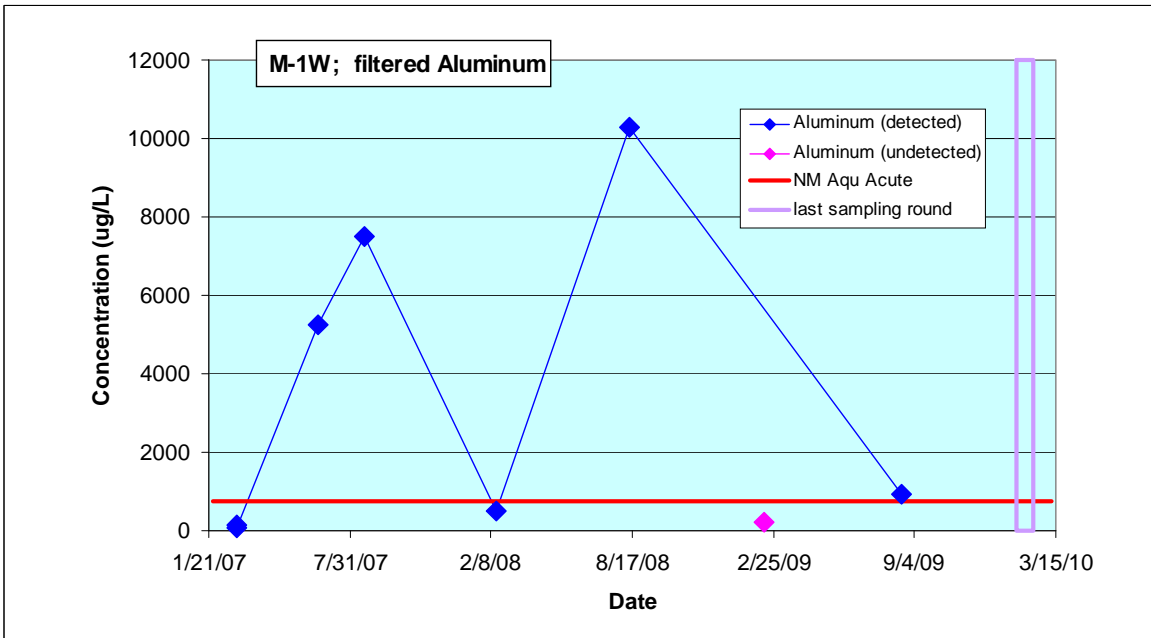
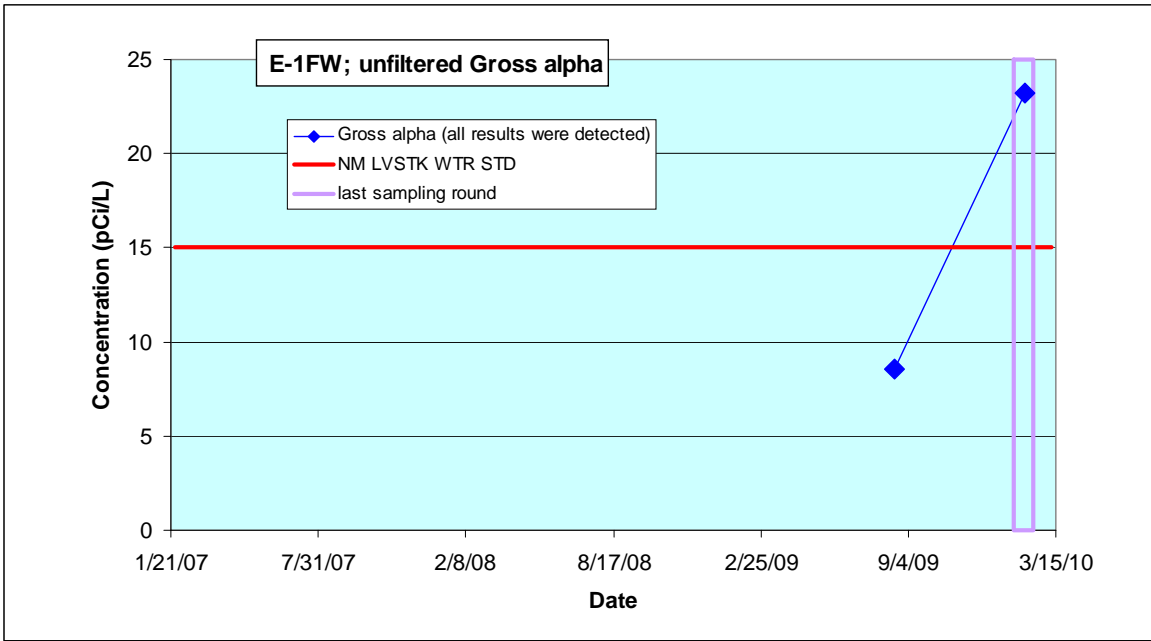
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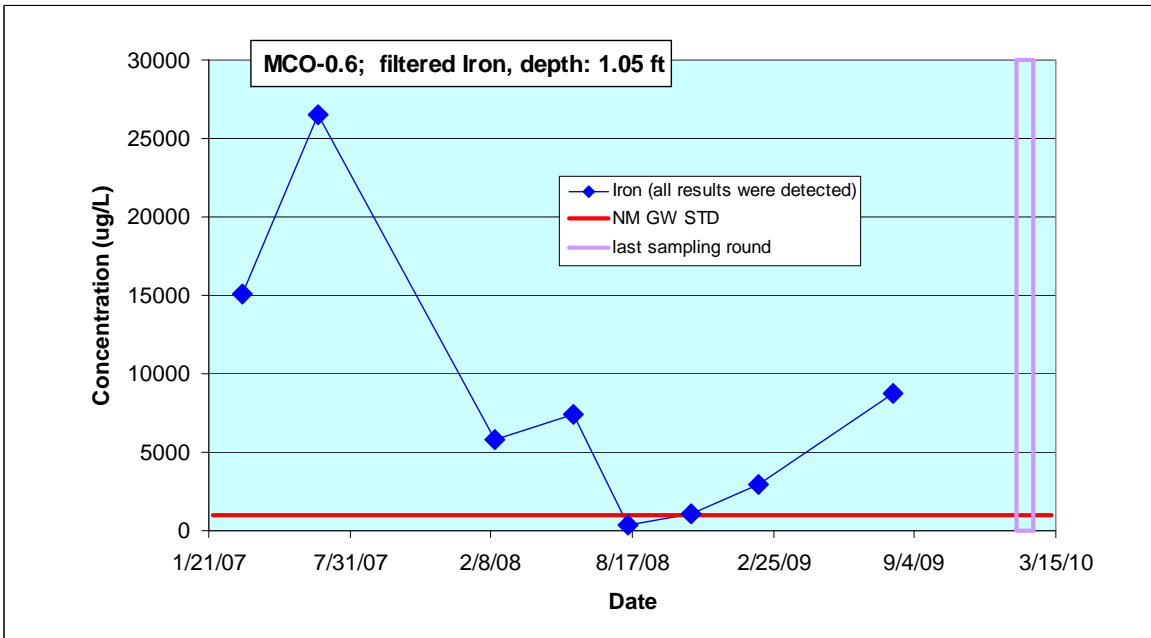
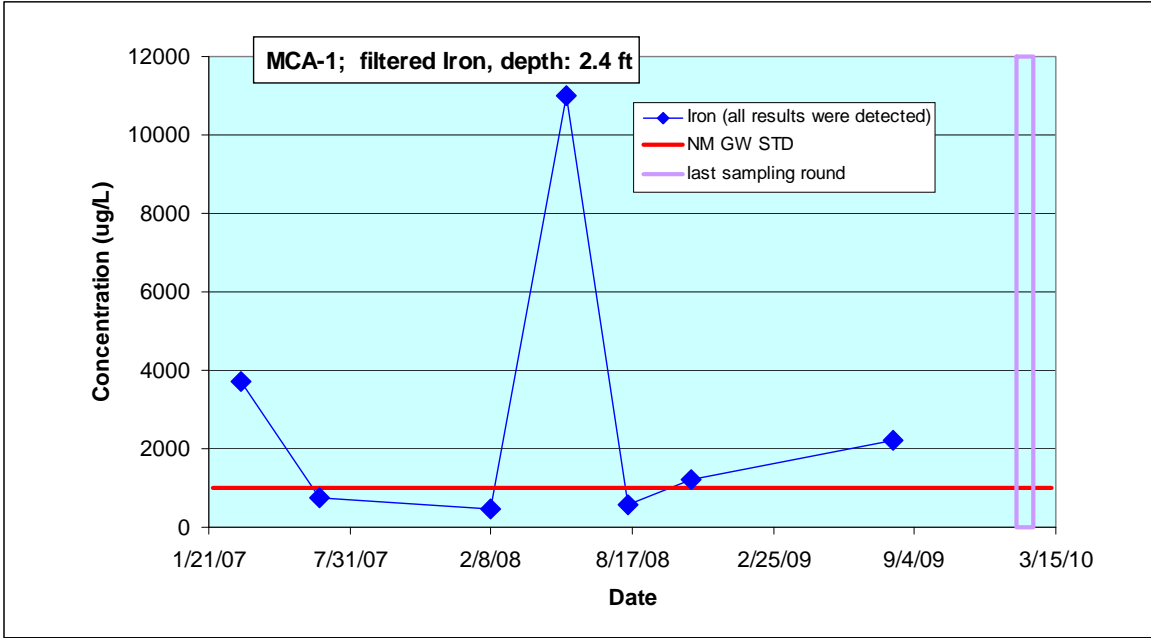
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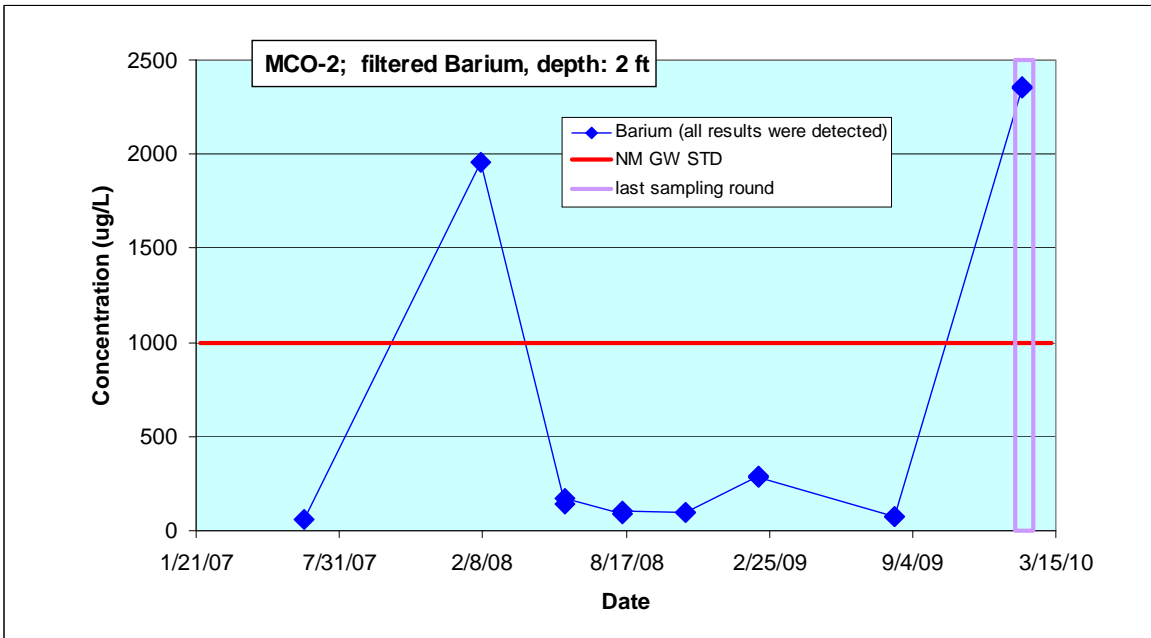
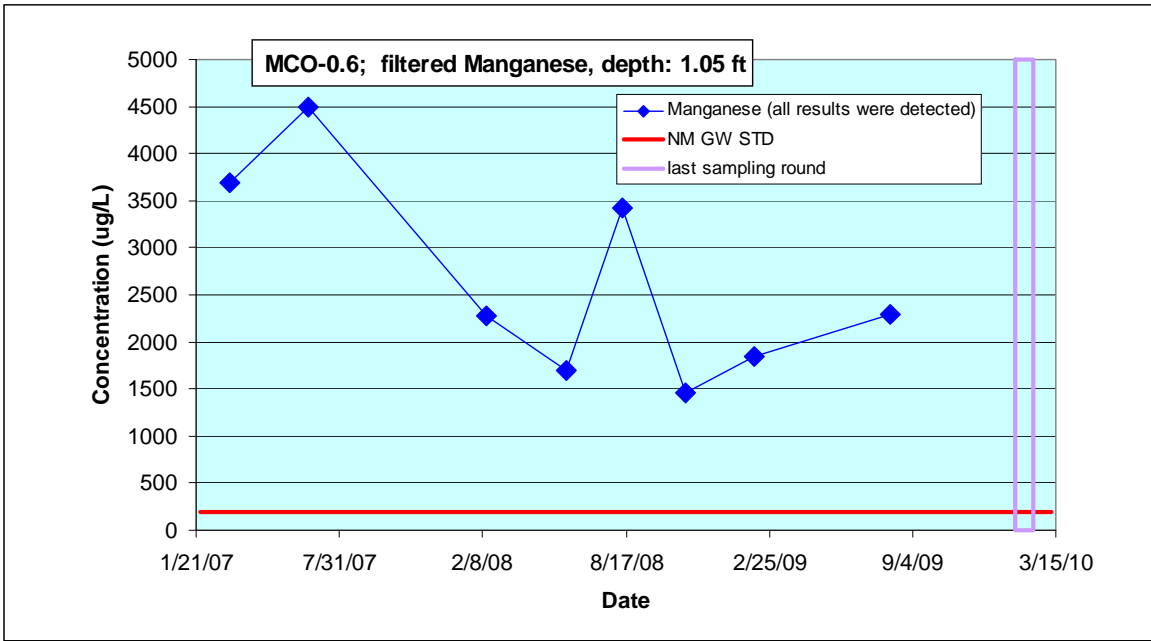


**E-1 MORTANDAD WATERSHED**

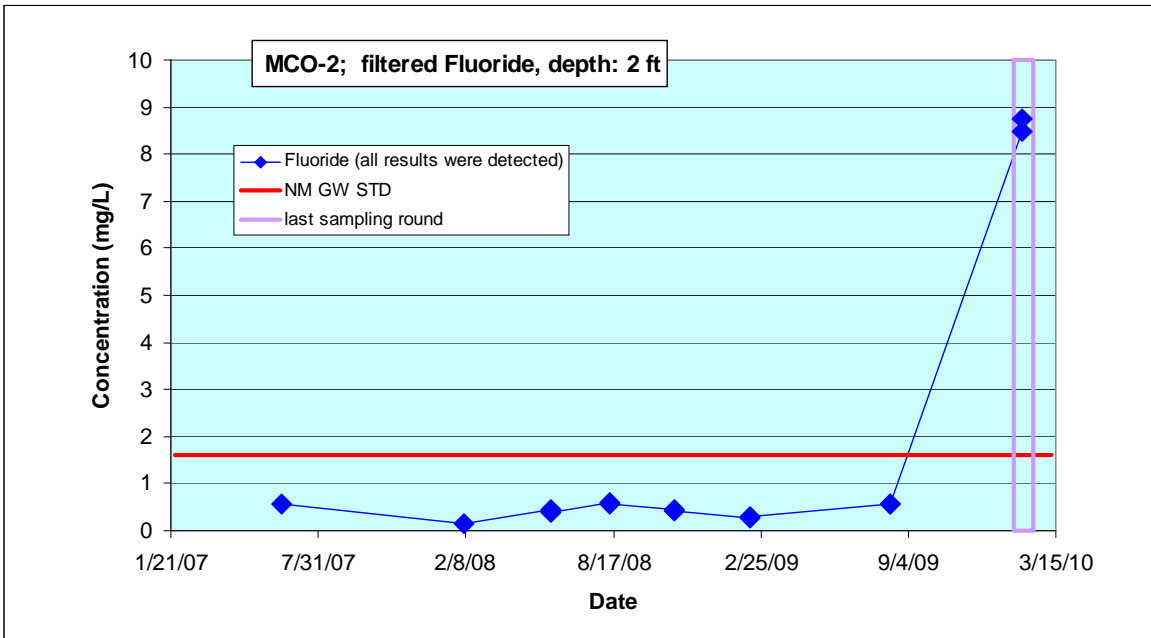
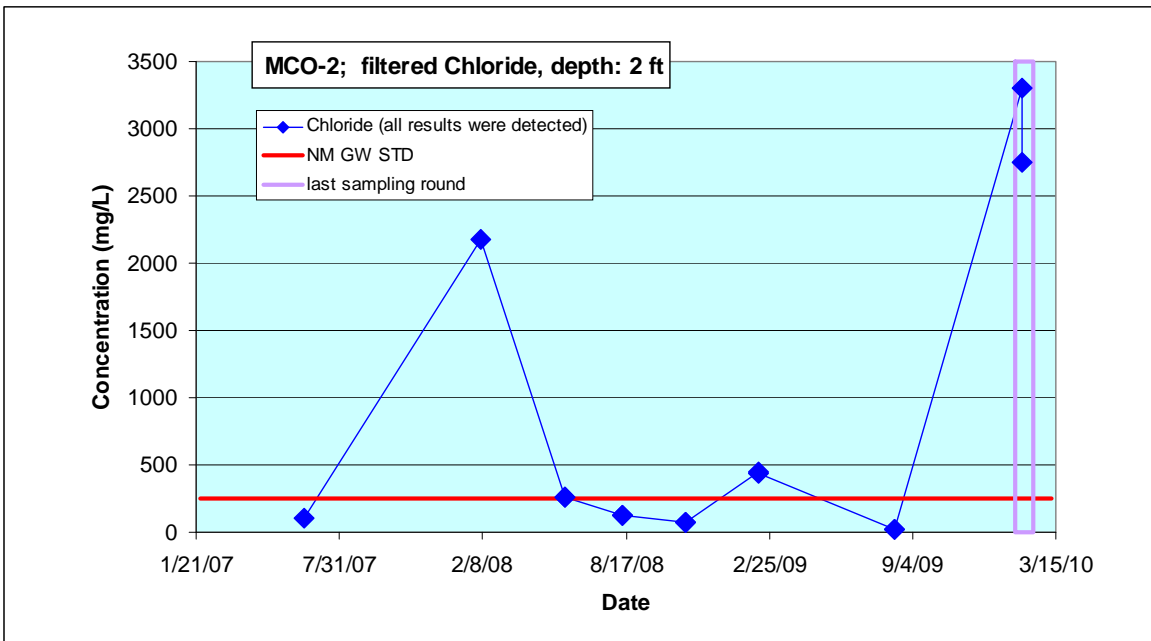


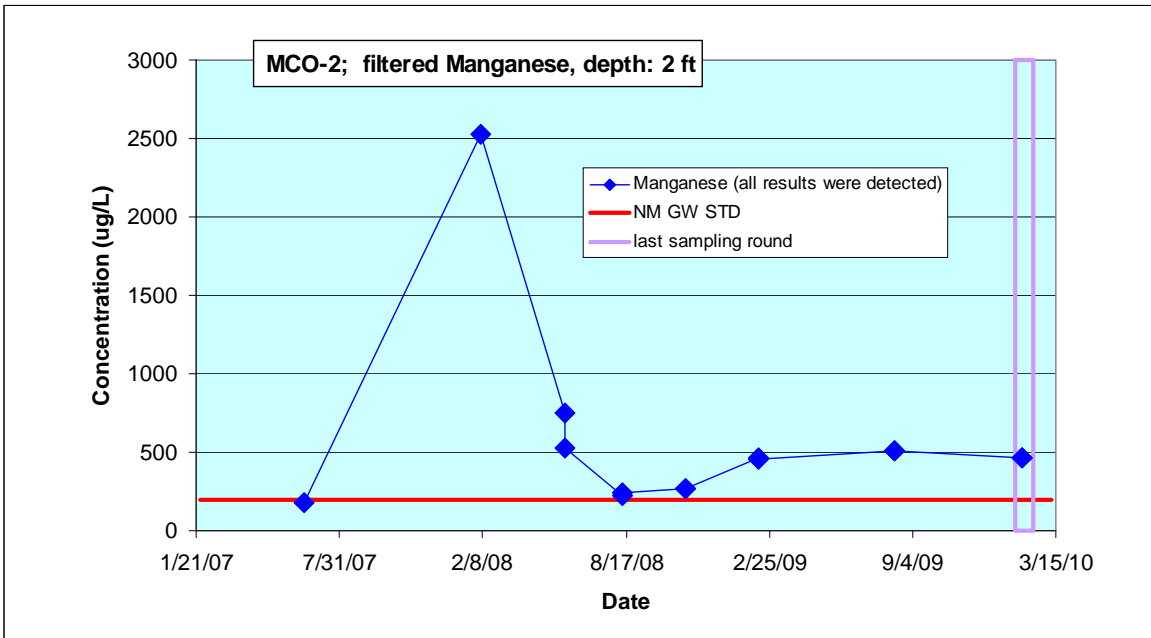
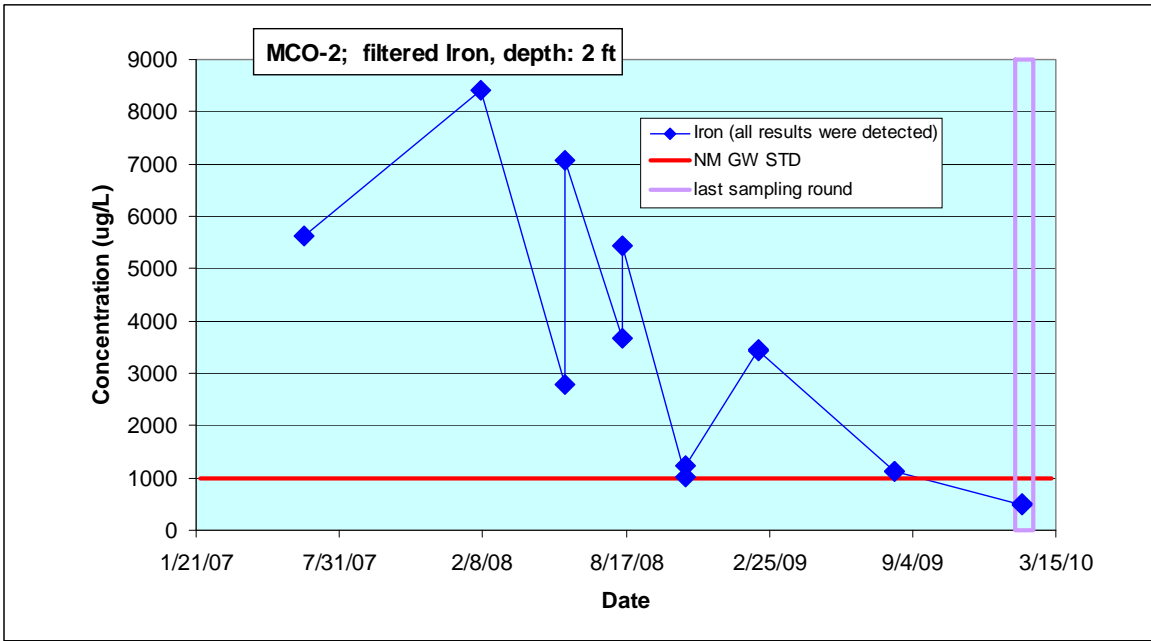


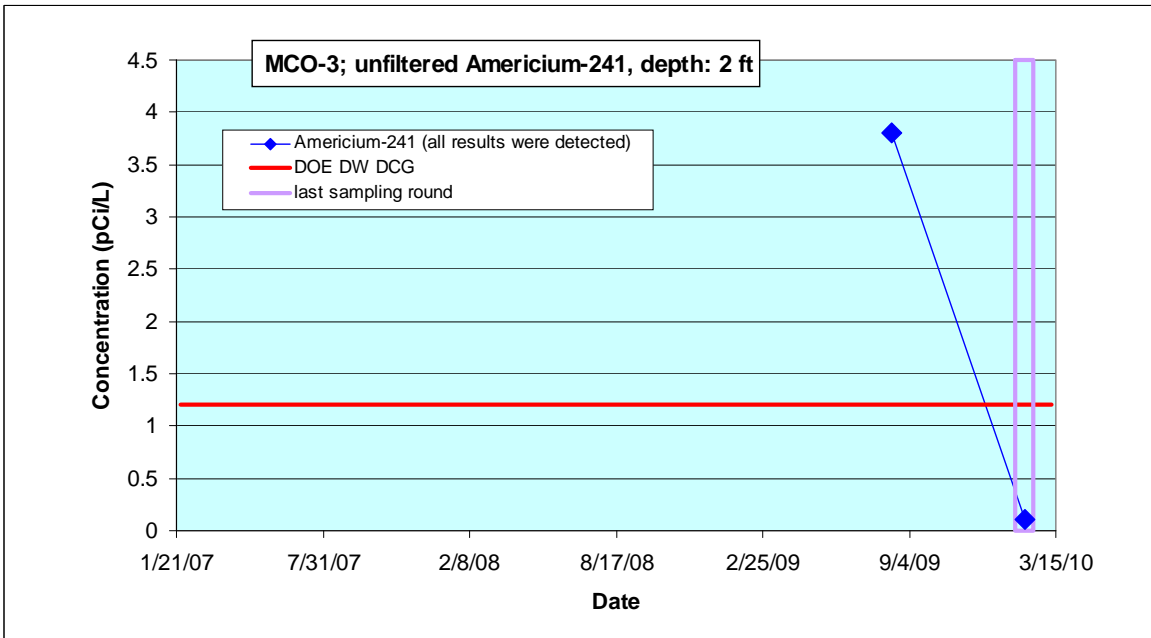
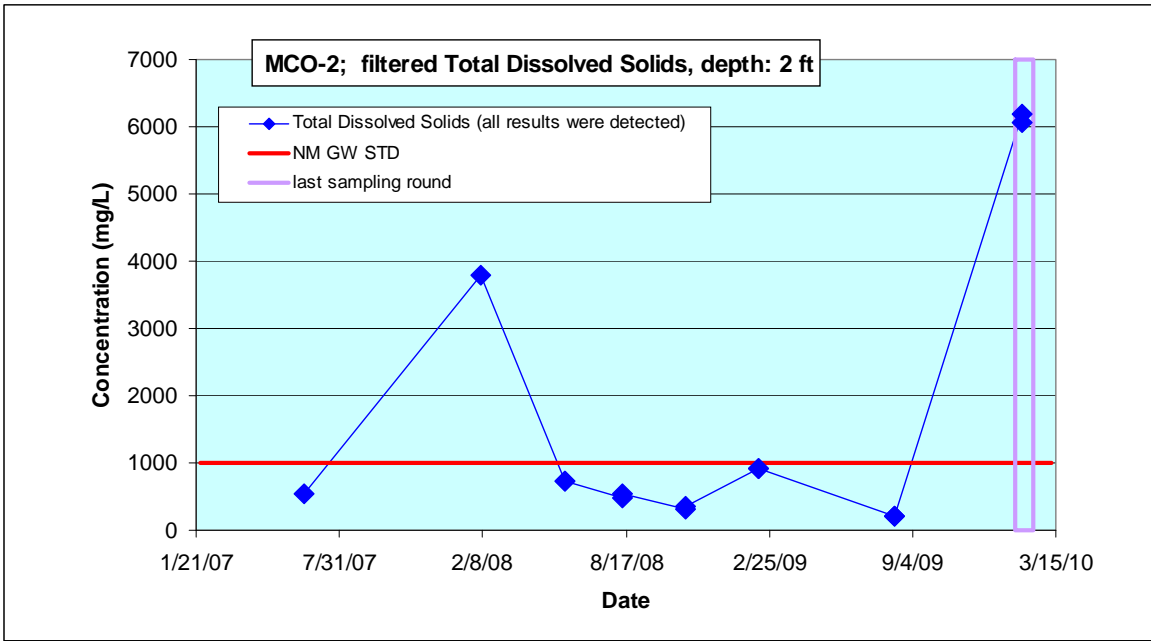


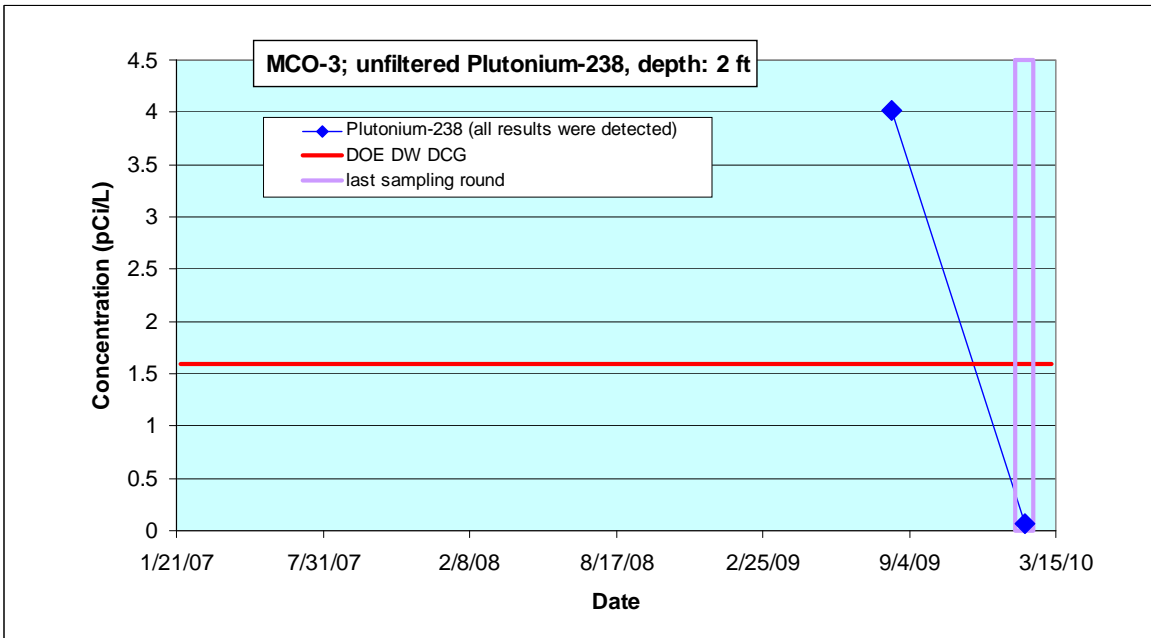
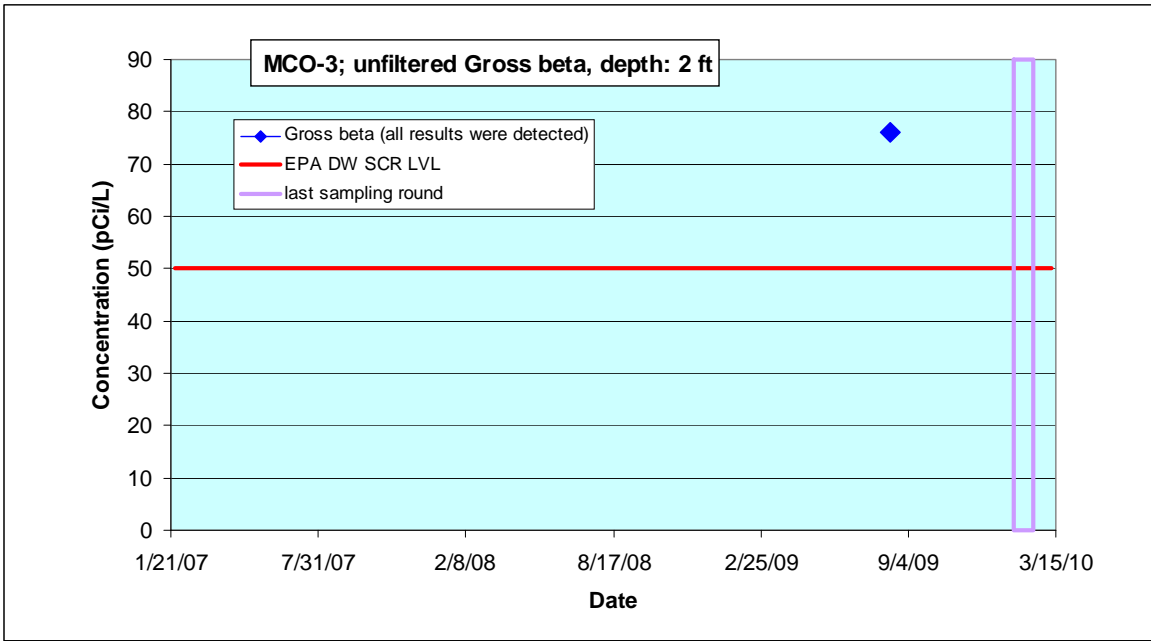


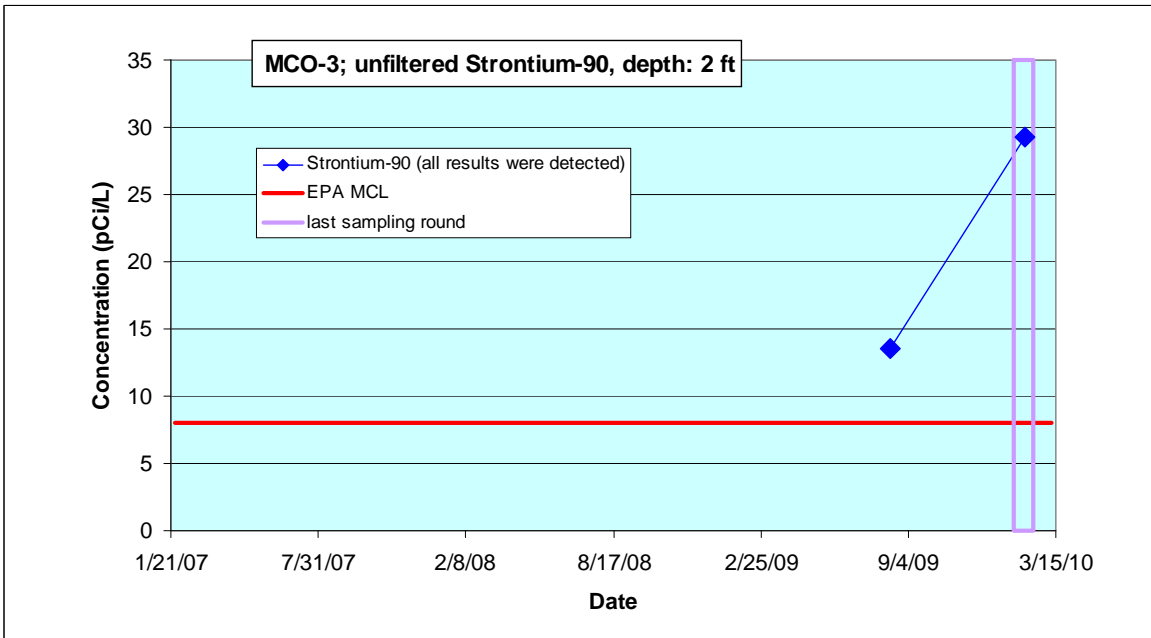
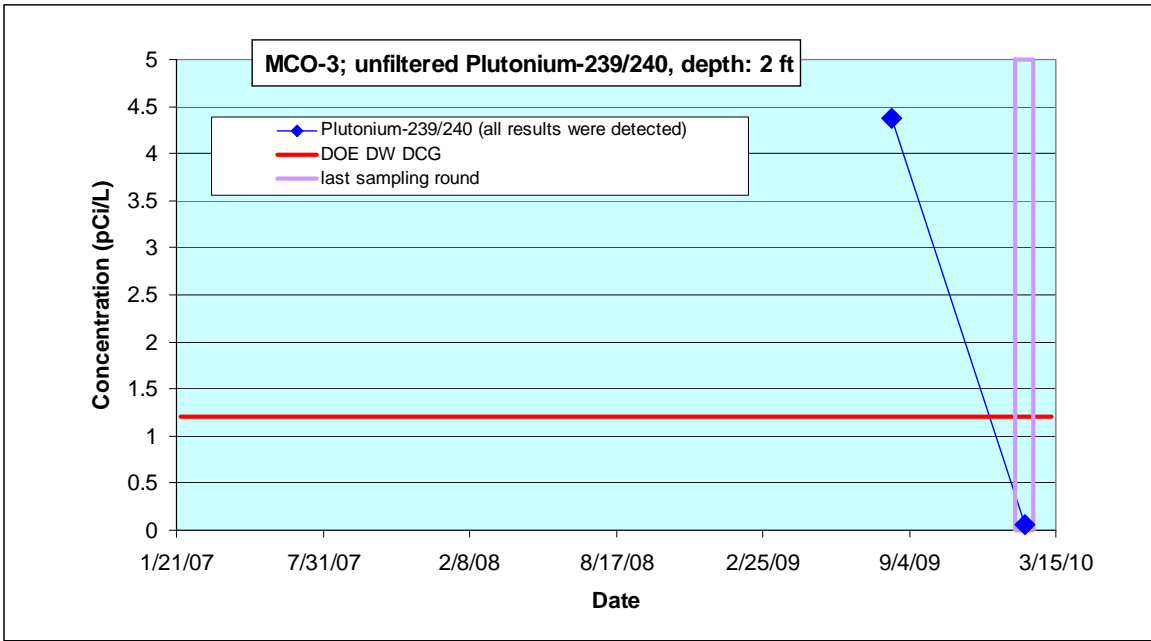


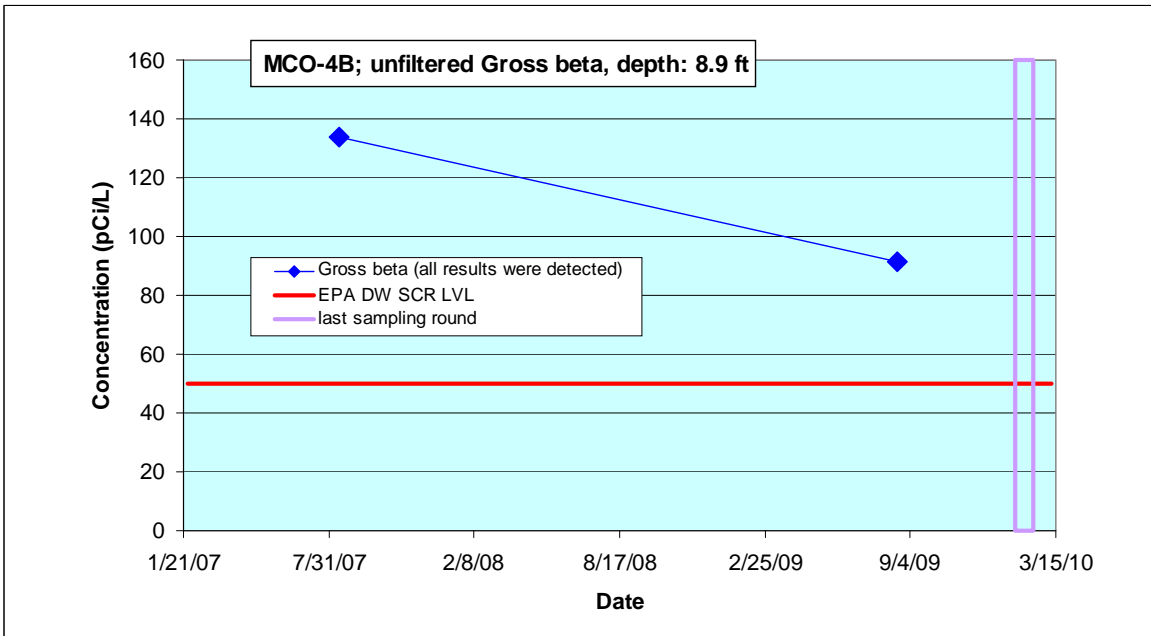
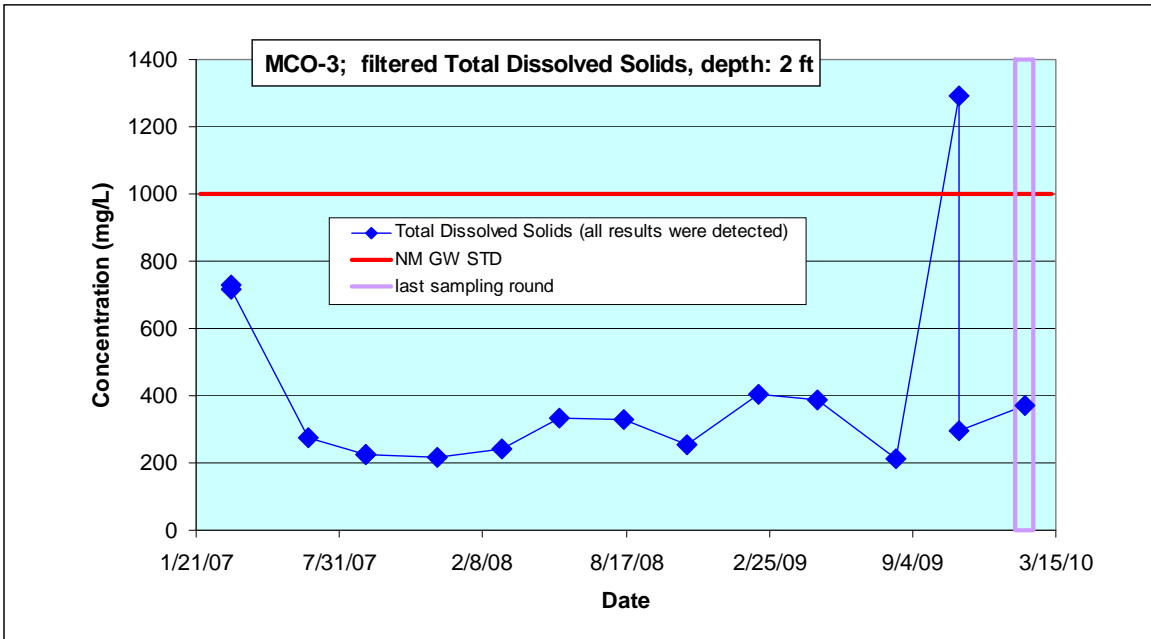


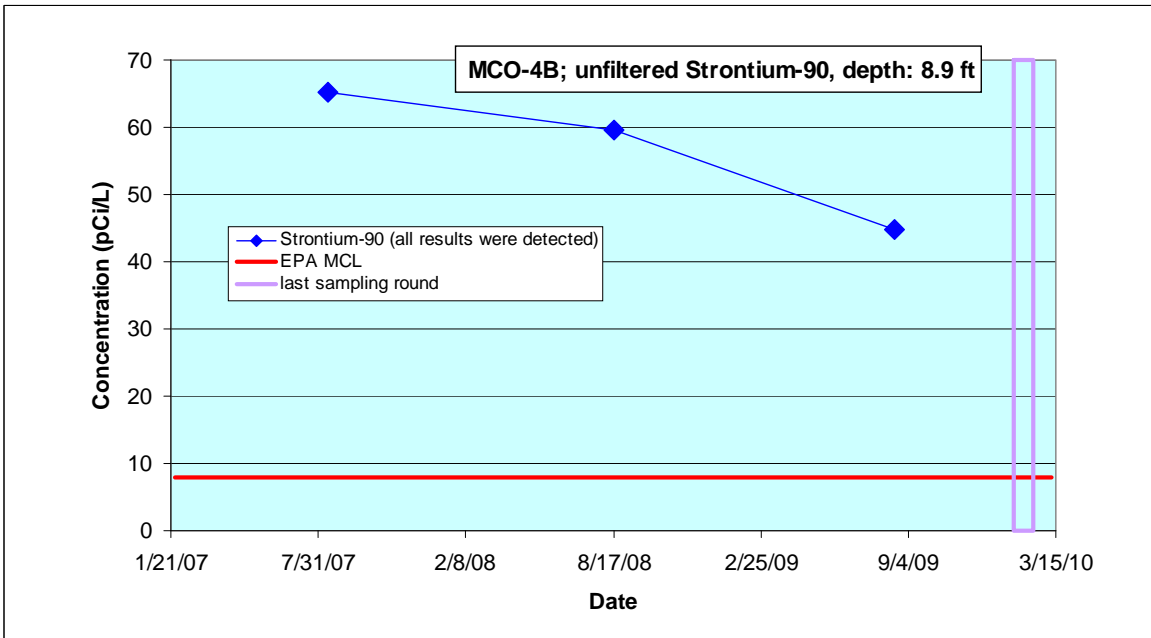
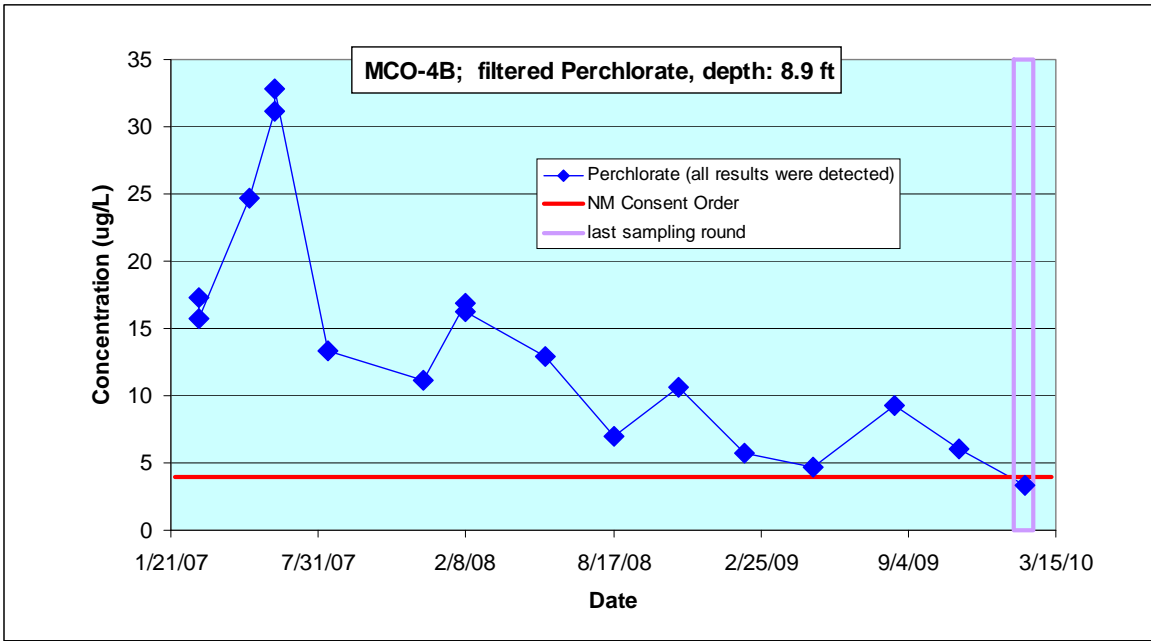


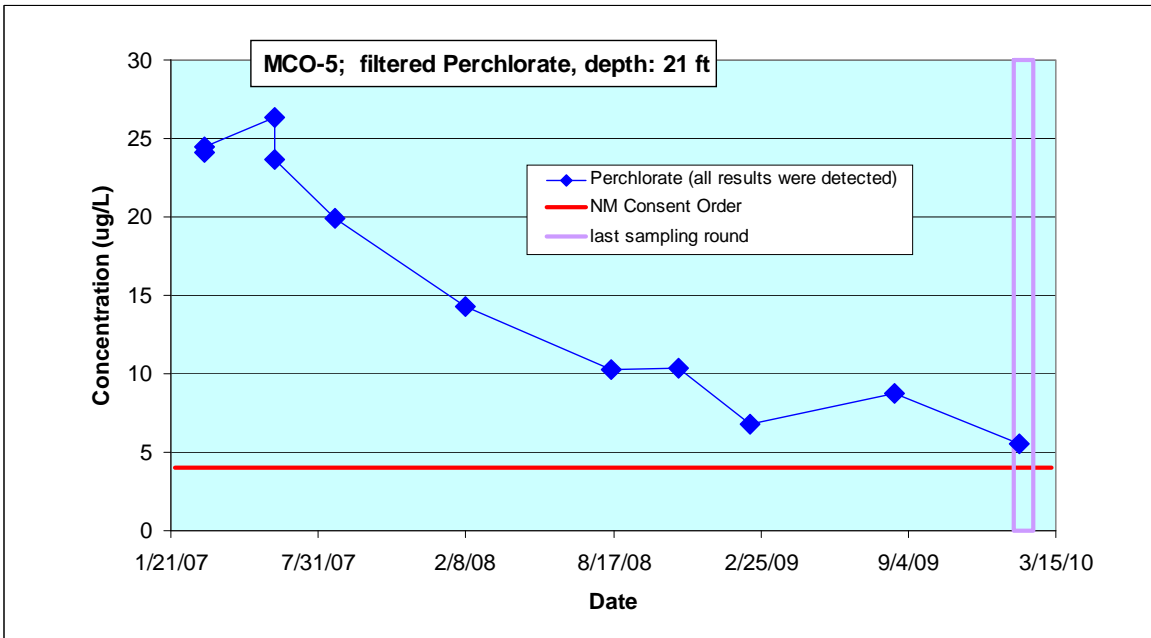
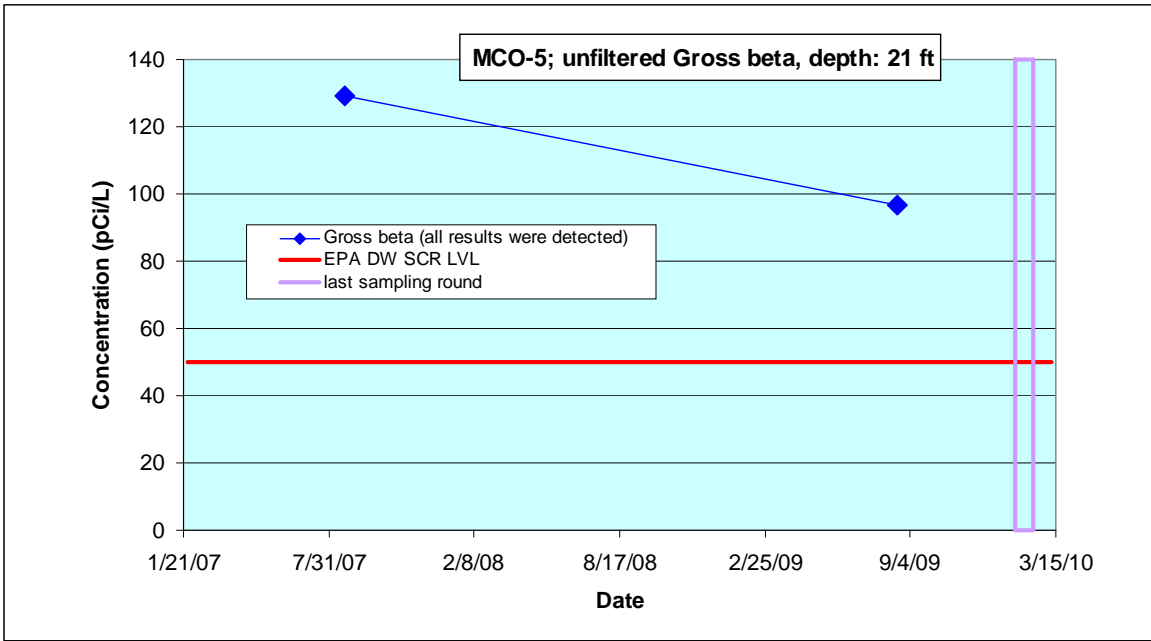




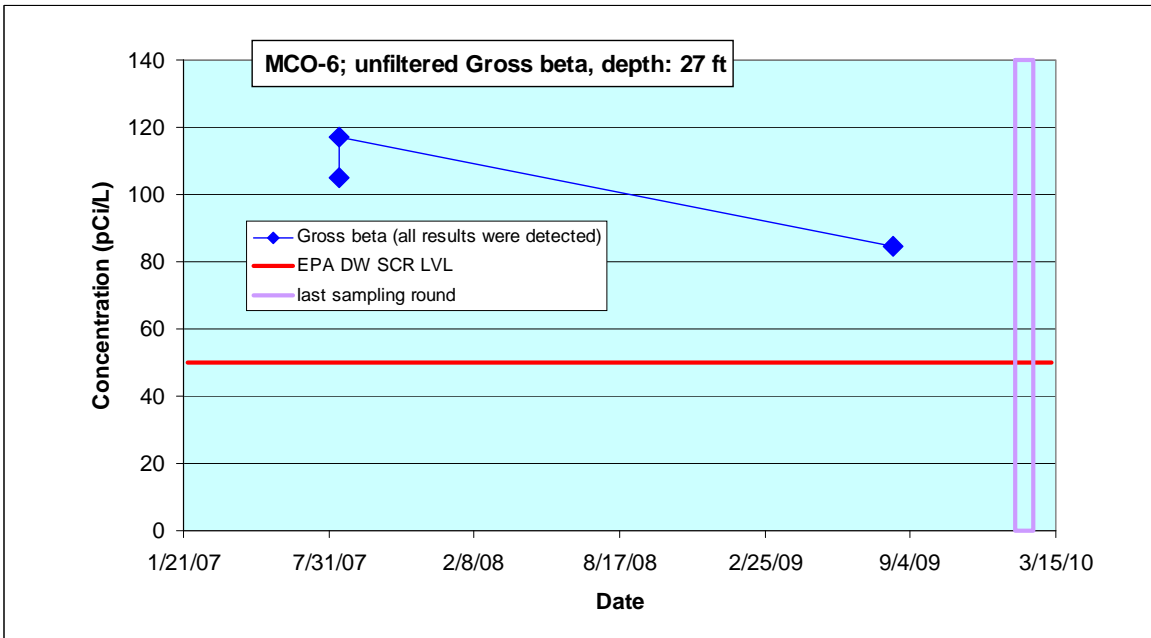
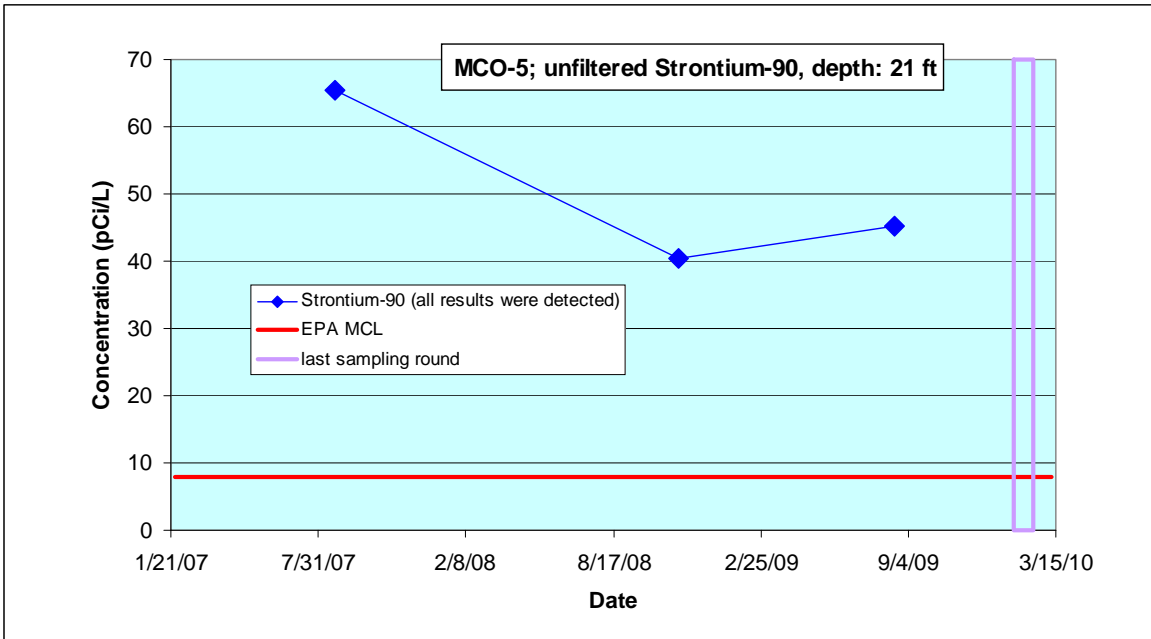


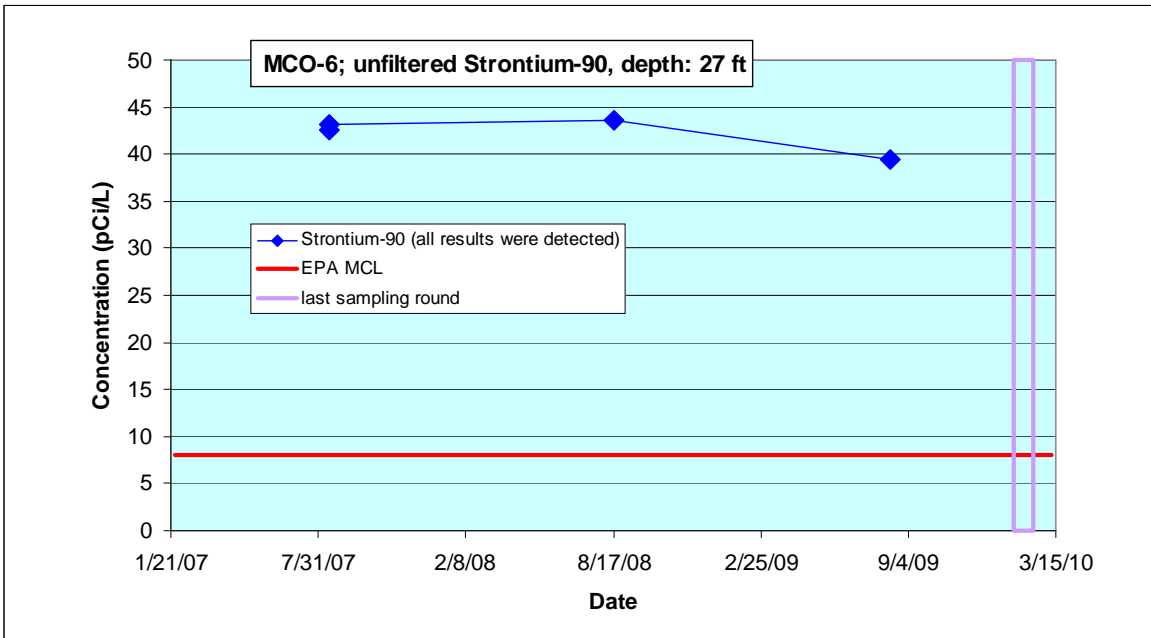
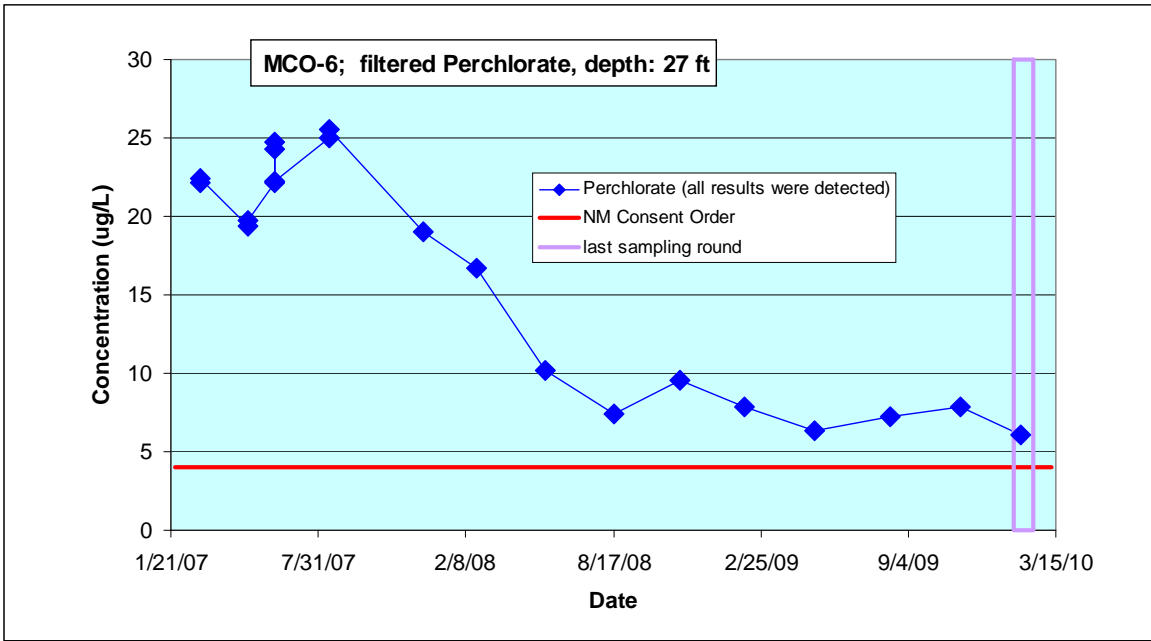


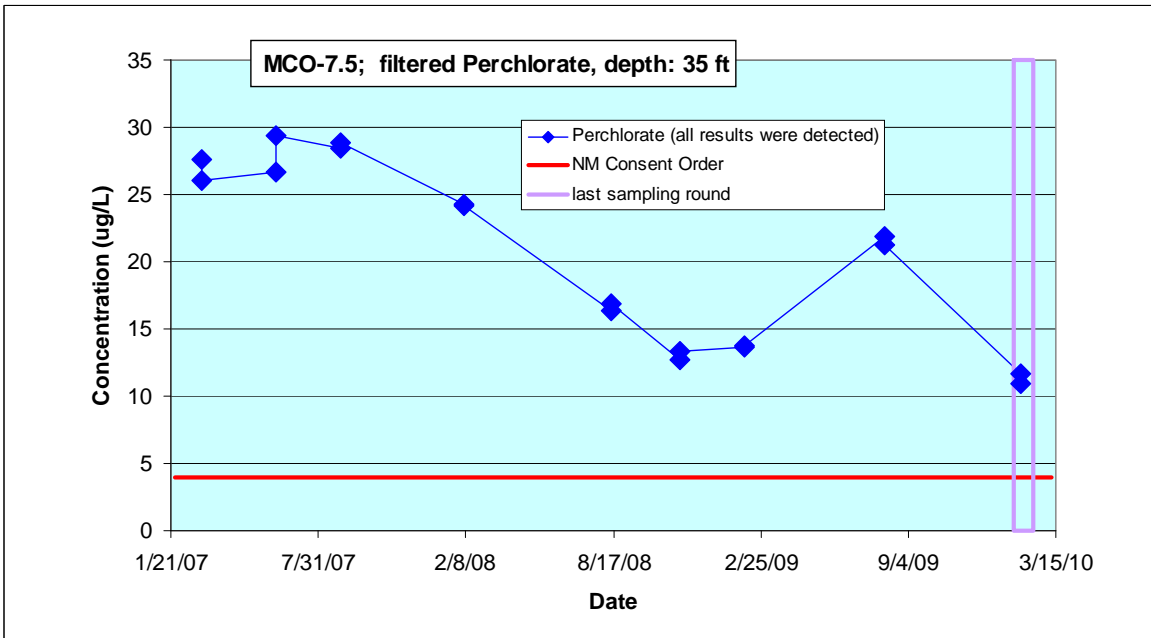
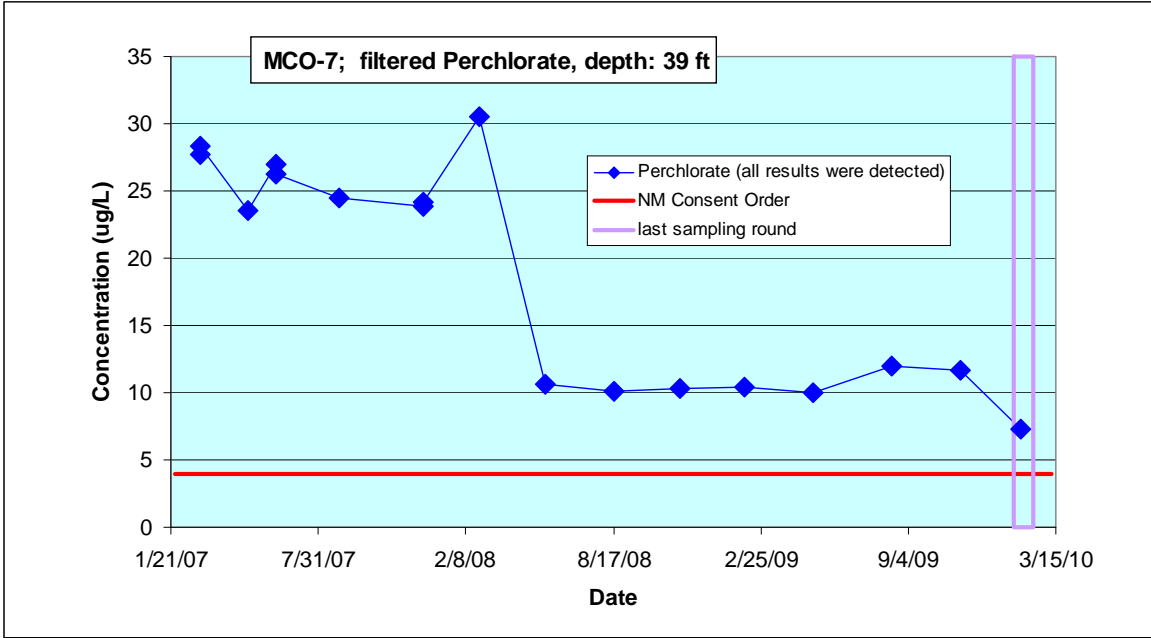


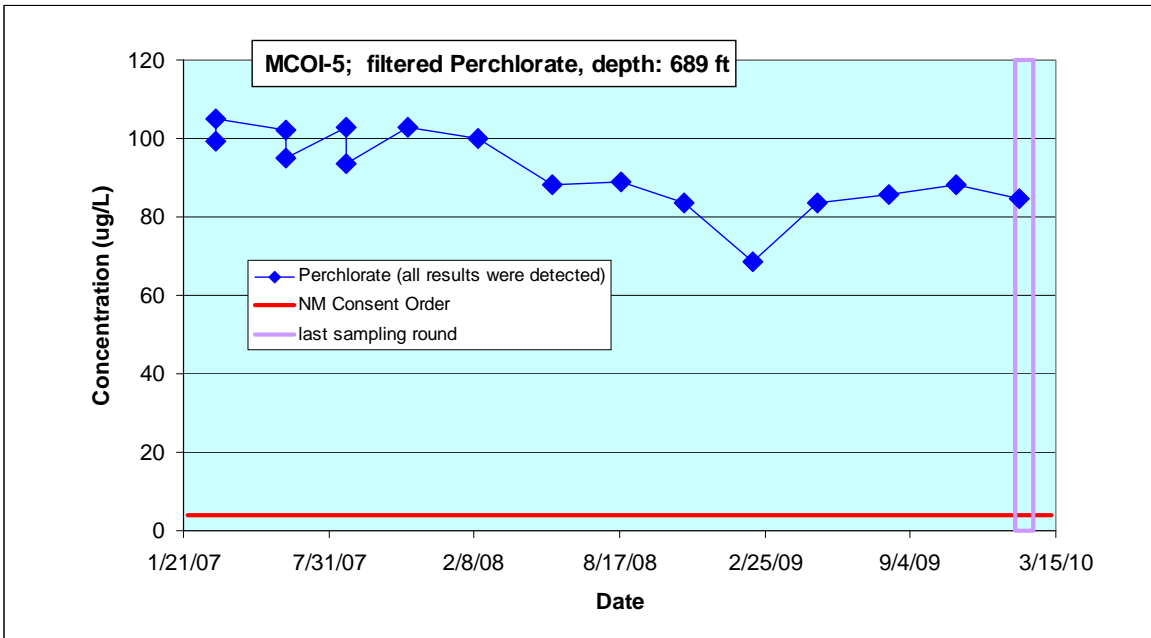
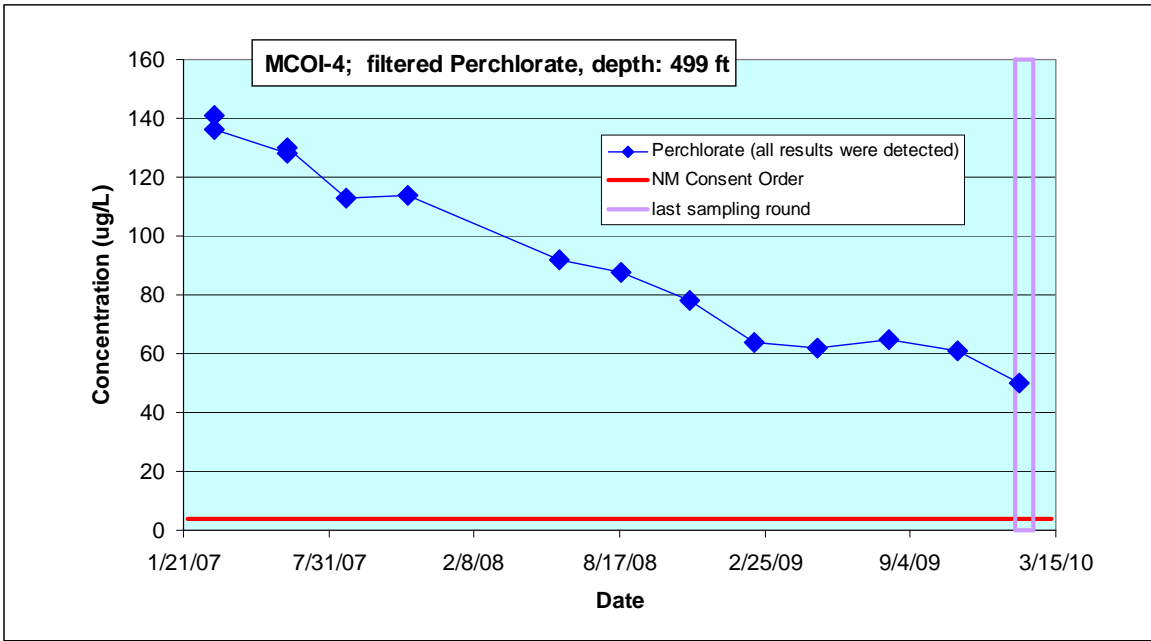


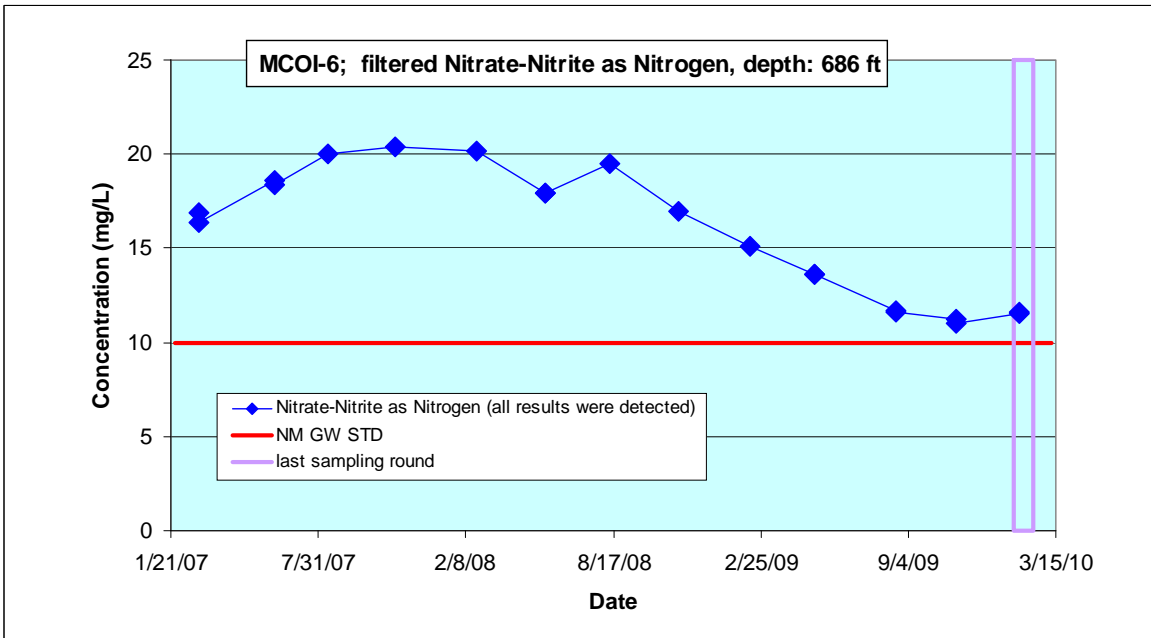
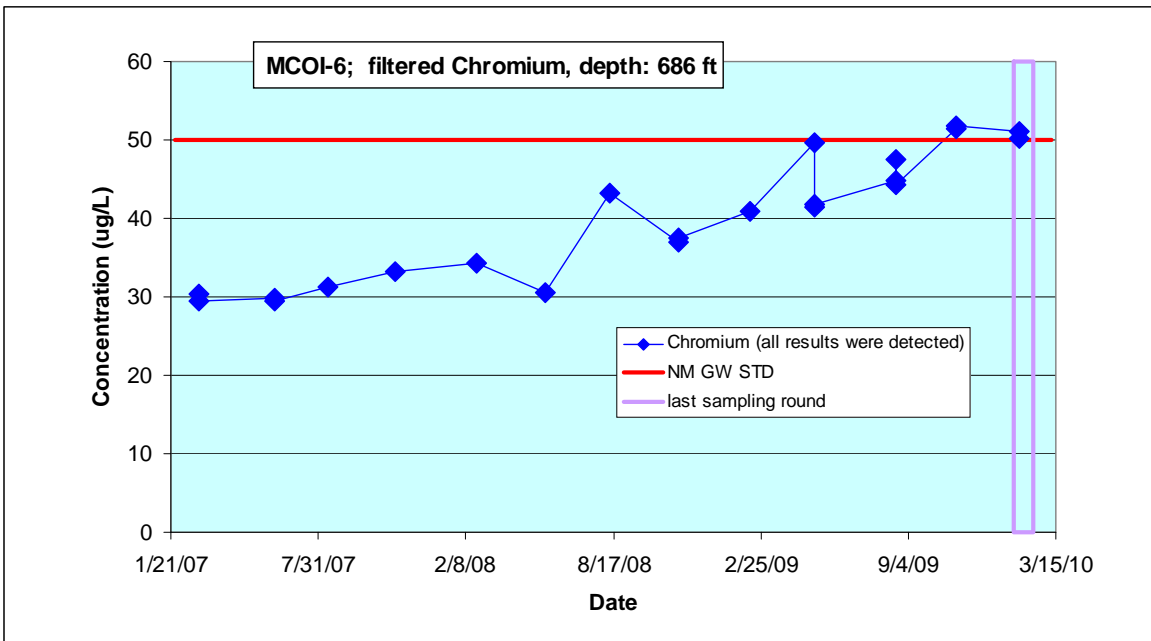


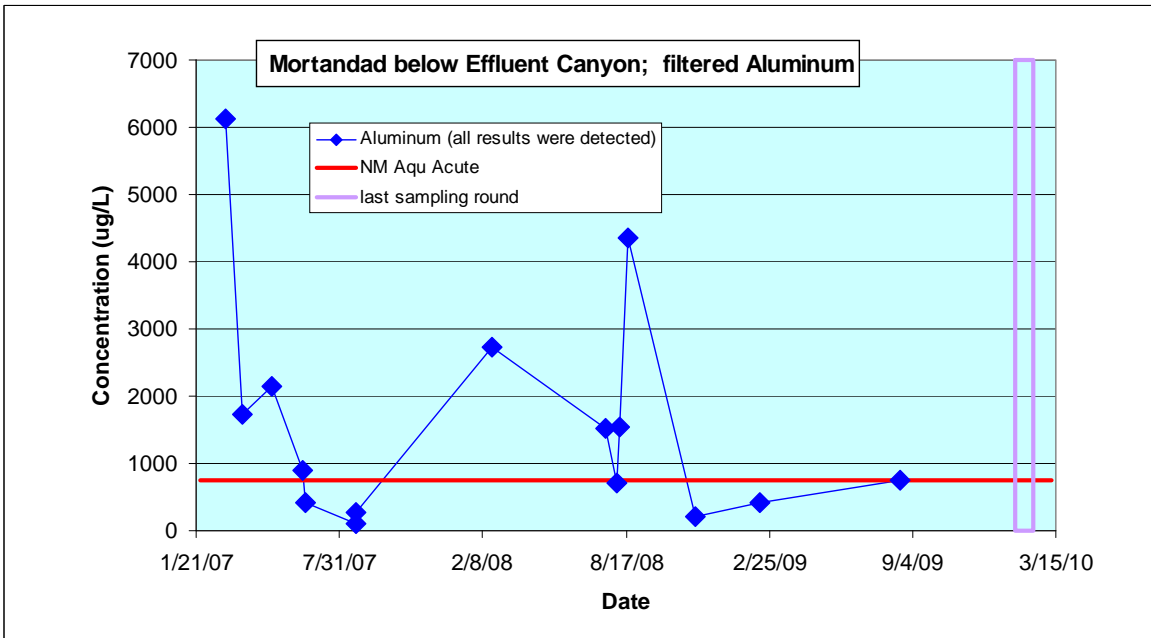
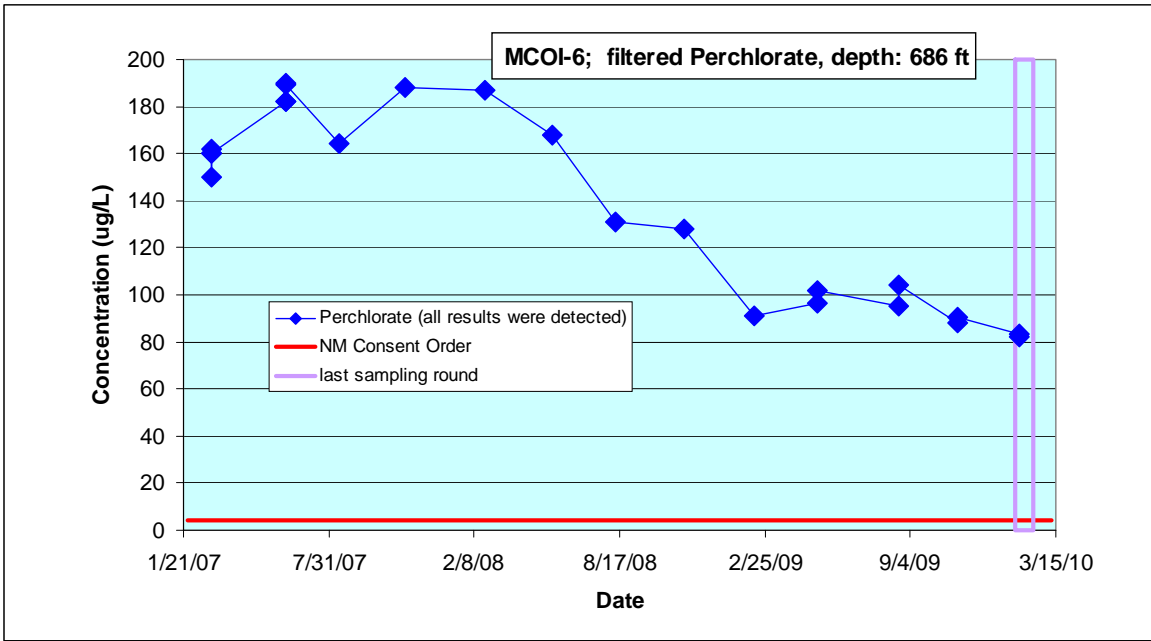


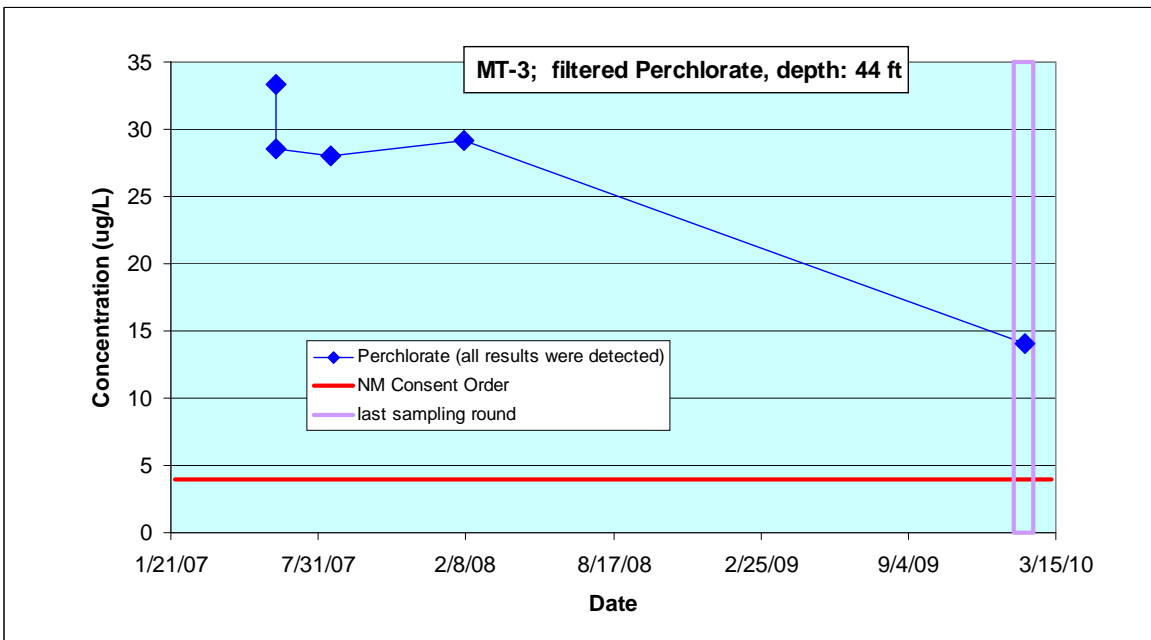
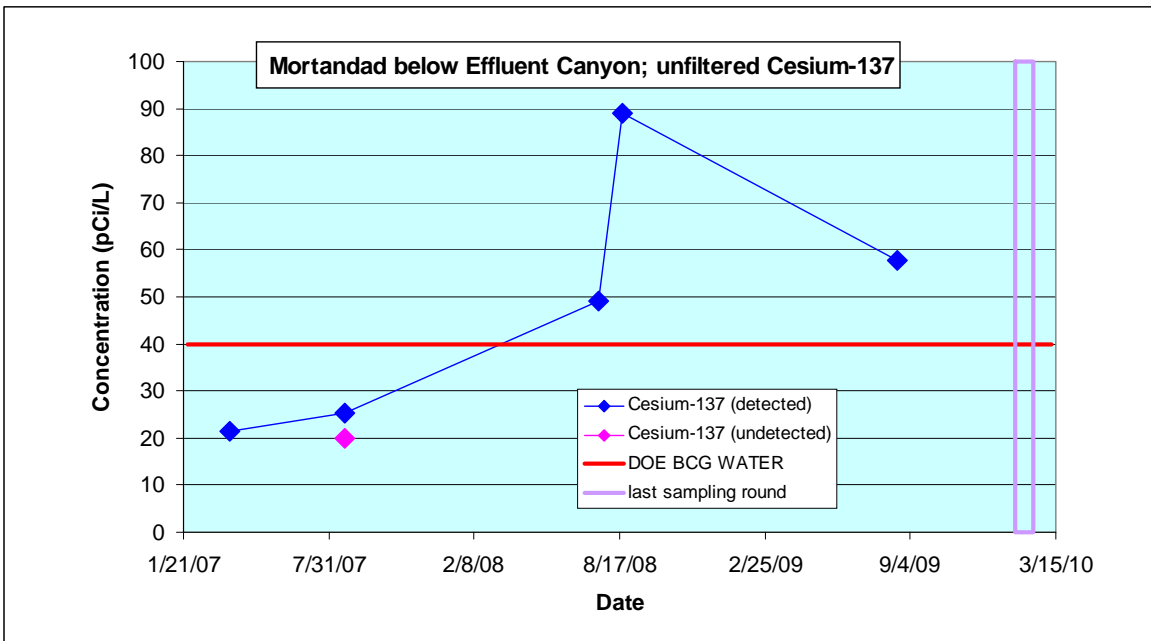


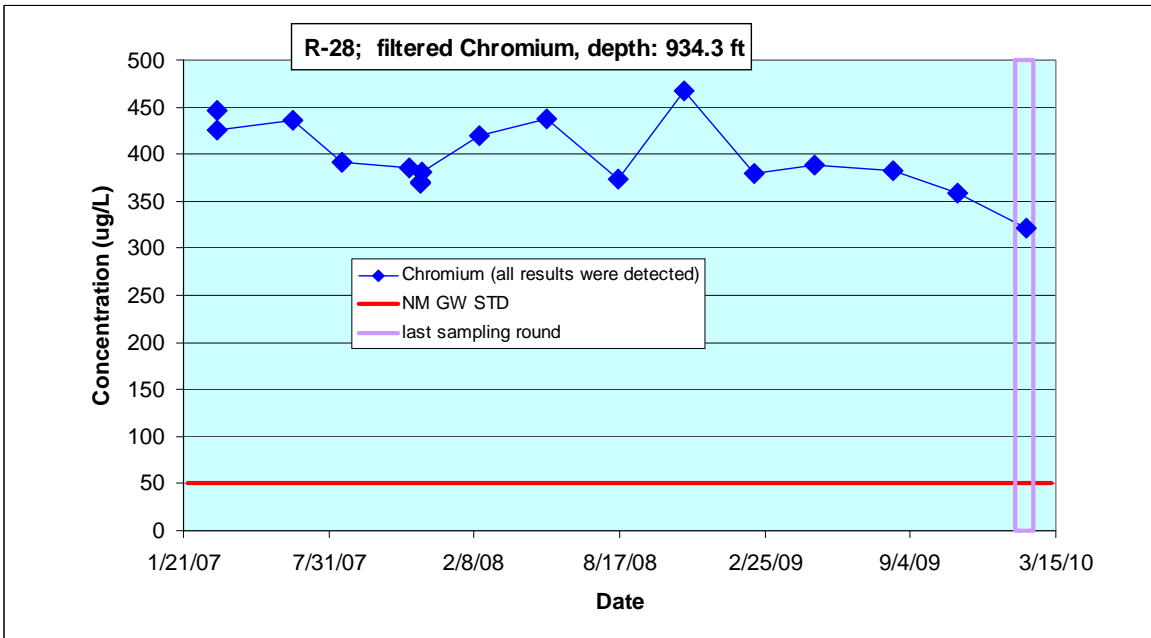
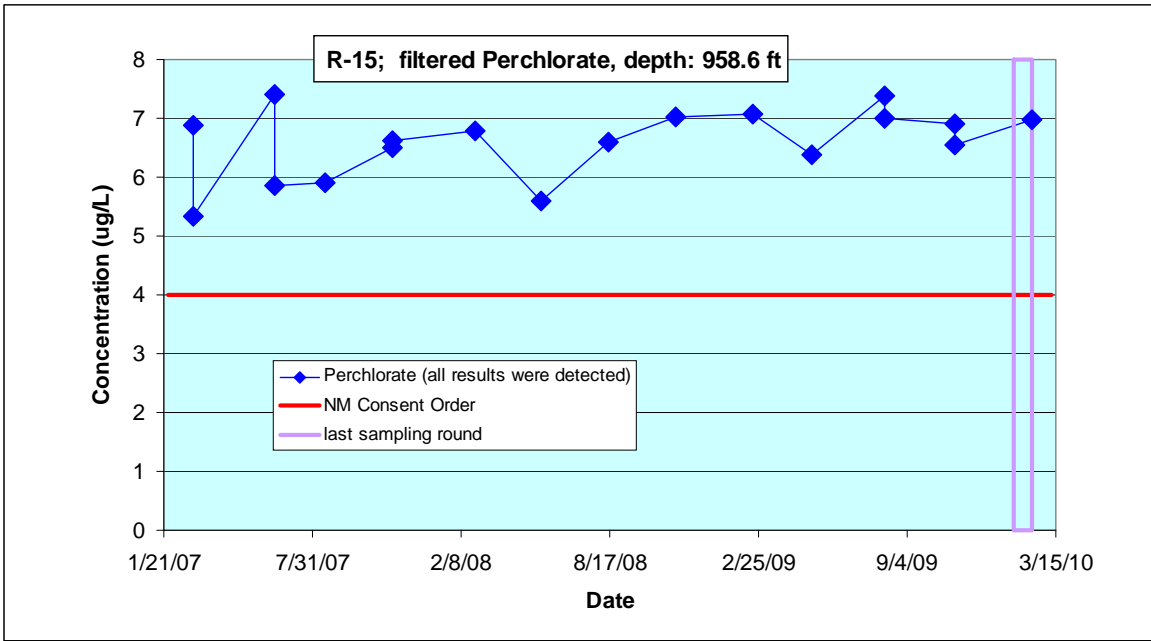




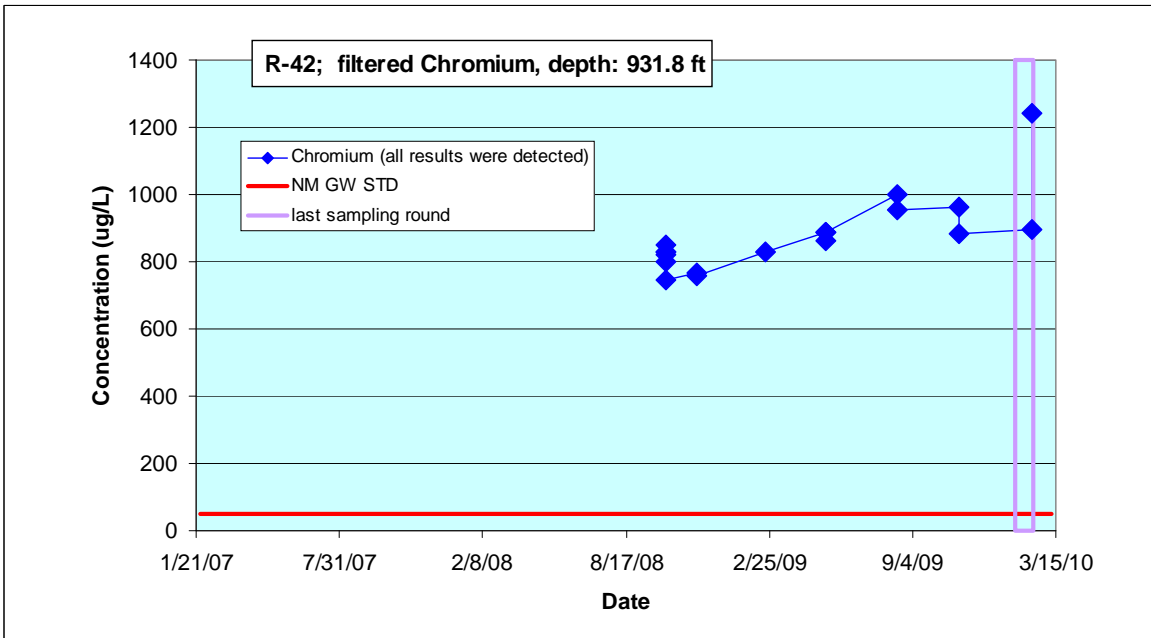
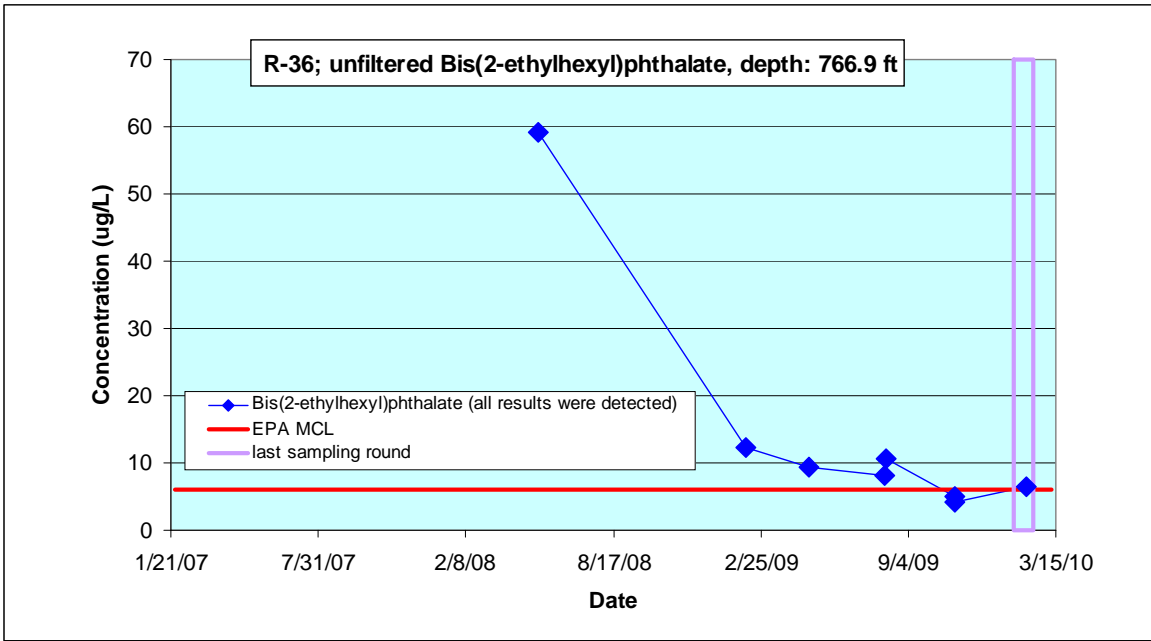


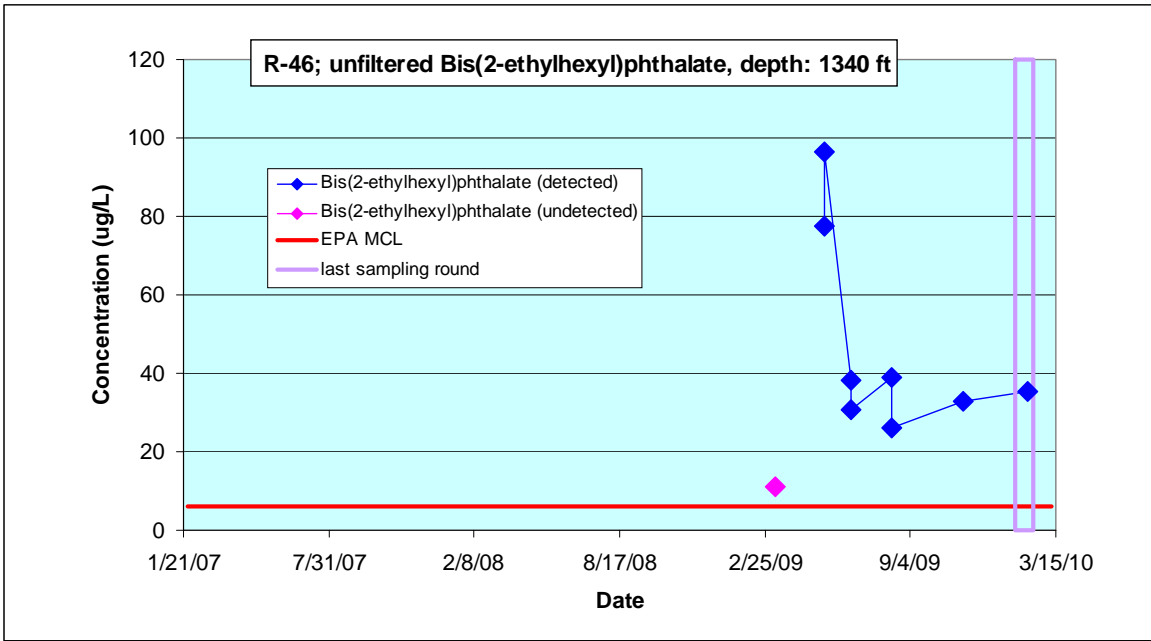




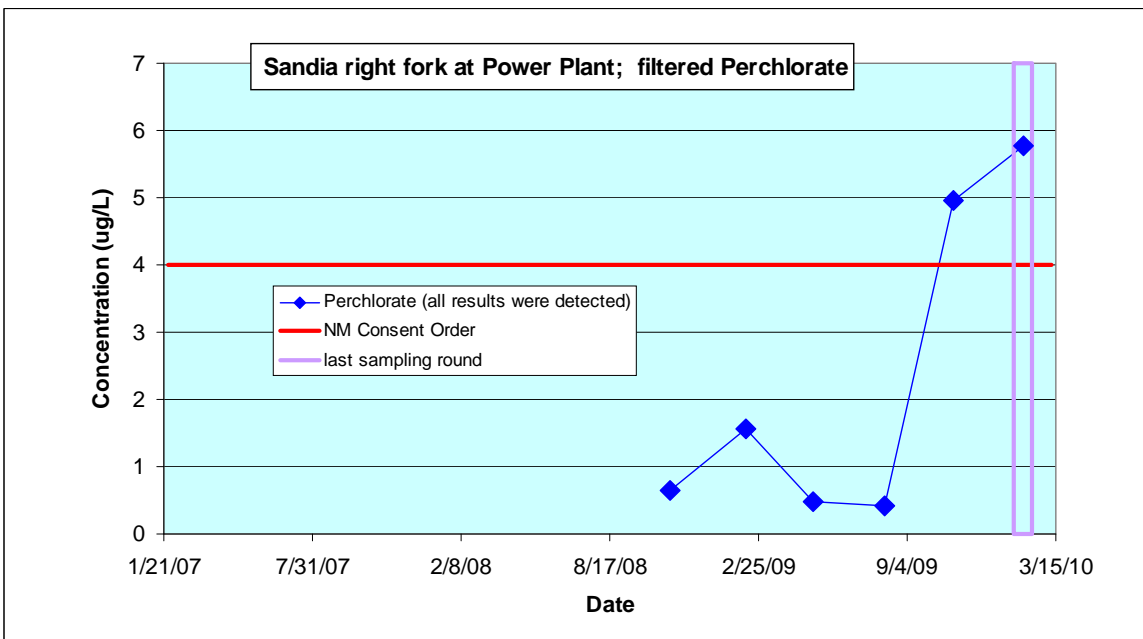
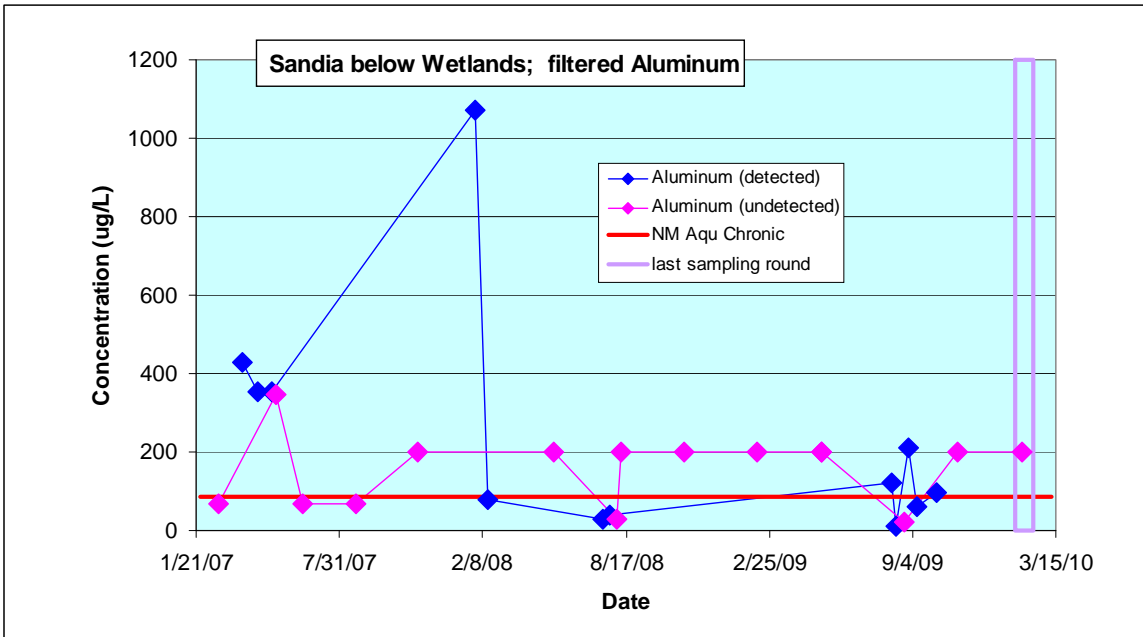


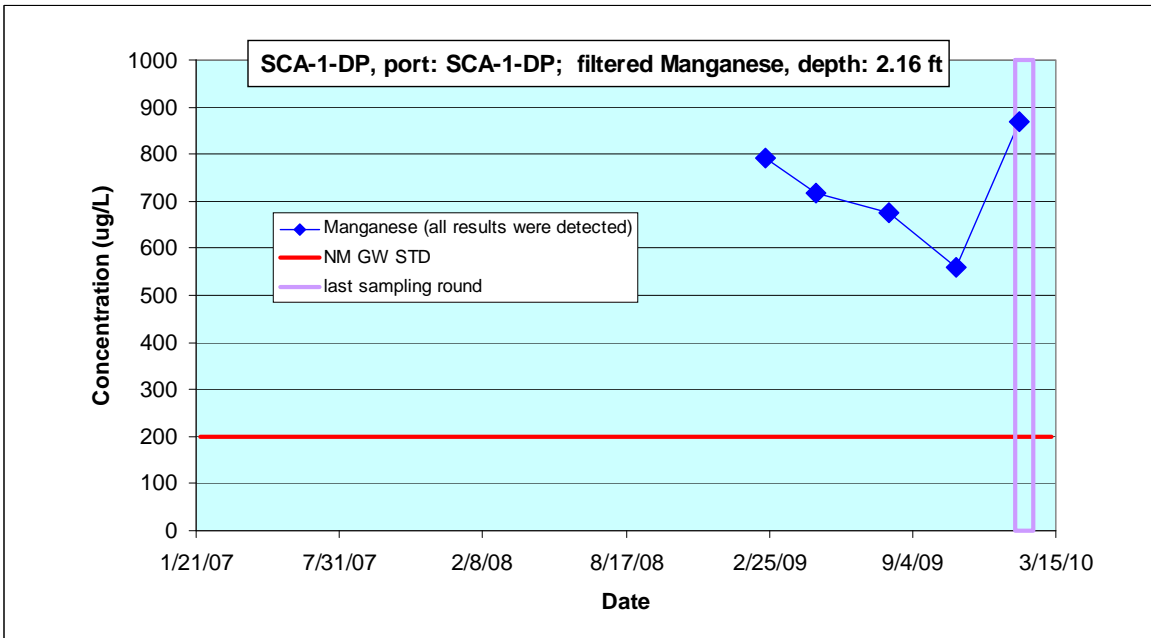
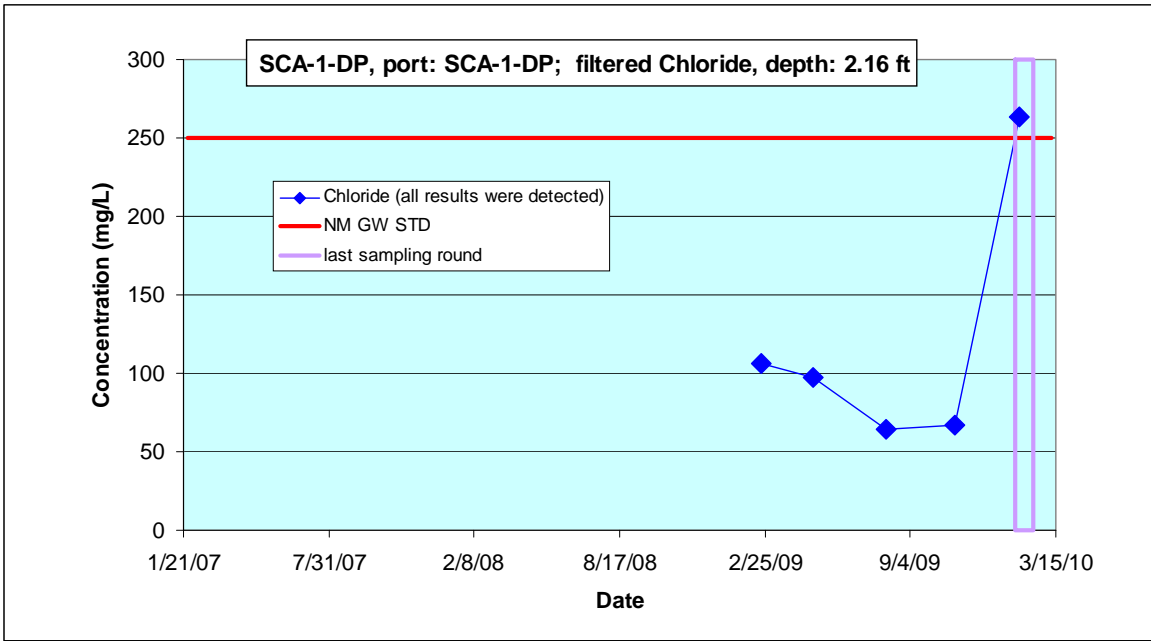


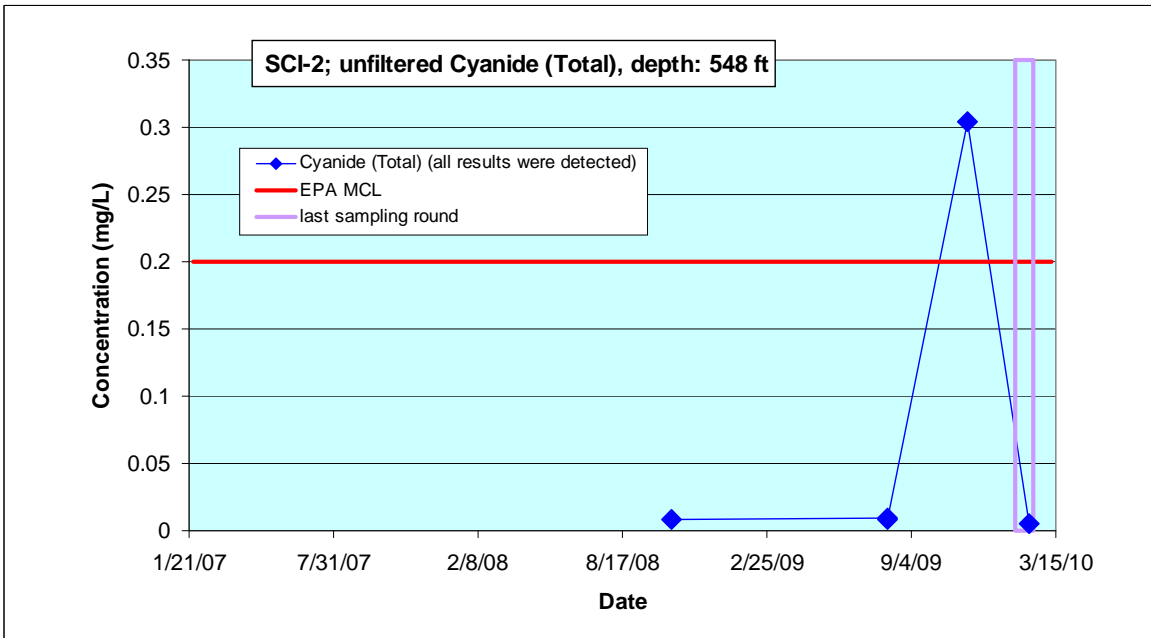
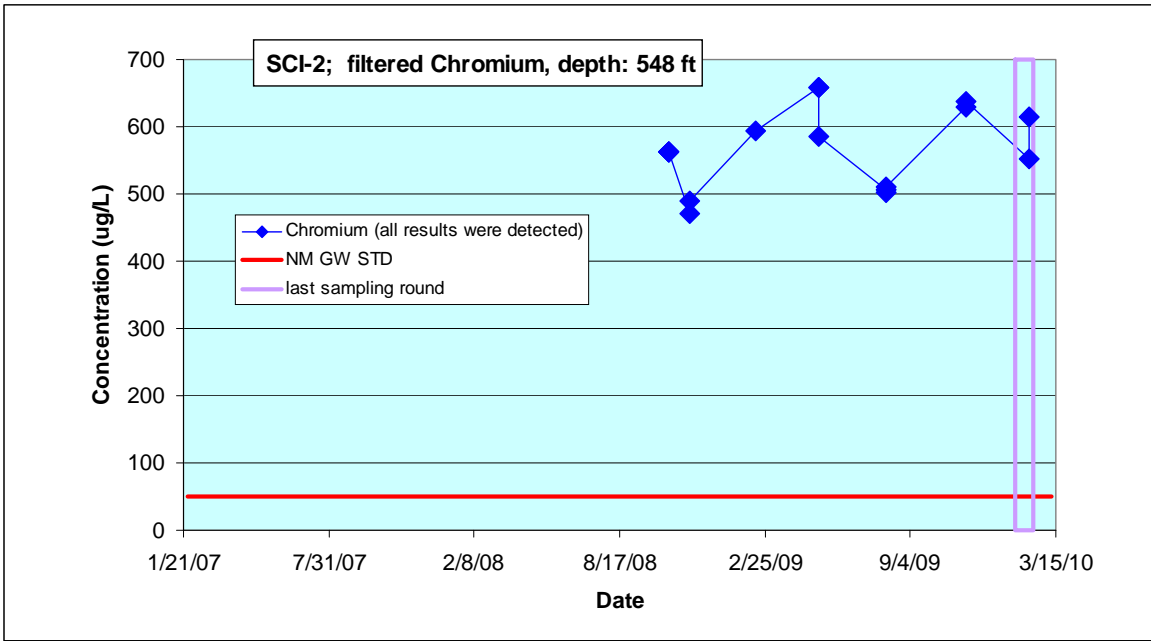


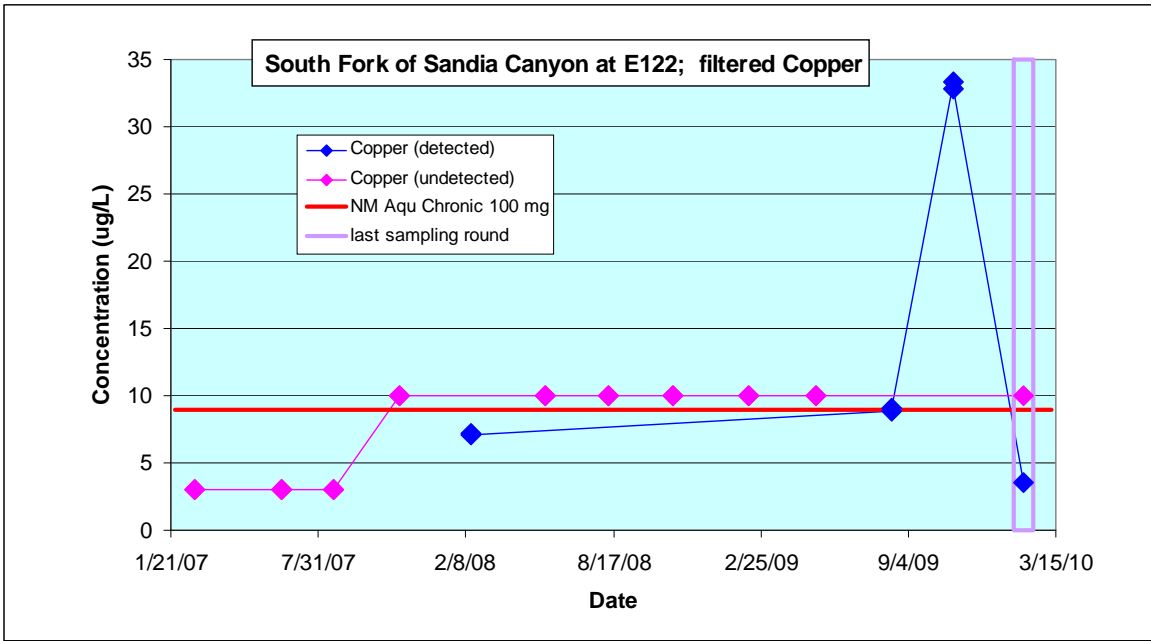


E-2 SANDIA WATERSHED









# **Appendix F**

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*Analytical Reports*  
*(on DVD included with this document)*





**DVD Table of Contents**

**F-1 MORTANDAD WATERSHED**

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1413	CAMO-10-9314	VOA <sup>a</sup>	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9315	GENINORG <sup>b</sup>	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9315	METALS	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9315	RAD <sup>c</sup>	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9315	SVOA <sup>d</sup>	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9315	VOA	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9316	GENINORG	GELC	1/25/2010	MCOI-5	689
10-1413	CAMO-10-9316	METALS	GELC	1/25/2010	MCOI-5	689
10-1414	CAMO-10-9726	METALS	GELC	1/25/2010	MCOI-5	689
10-1441	CAMO-10-9312	VOA	GELC	1/26/2010	MCOI-4	499
10-1441	CAMO-10-9313	VOA	GELC	1/26/2010	MCOI-4	499
10-1441	CAMO-10-9318	VOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9319	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9319	SVOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9319	VOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9320	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9320	SVOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9320	VOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9322	SVOA	GELC	1/26/2010	MCOI-6	686
10-1441	CAMO-10-9322	VOA	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9311	GENINORG	GELC	1/26/2010	MCOI-4	499
10-1442	CAMO-10-9311	METALS	GELC	1/26/2010	MCOI-4	499
10-1442	CAMO-10-9313	GENINORG	GELC	1/26/2010	MCOI-4	499
10-1442	CAMO-10-9313	METALS	GELC	1/26/2010	MCOI-4	499
10-1442	CAMO-10-9313	RAD	GELC	1/26/2010	MCOI-4	499
10-1442	CAMO-10-9317	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9317	METALS	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9319	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9319	METALS	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9319	RAD	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9320	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9320	METALS	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9320	RAD	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9321	GENINORG	GELC	1/26/2010	MCOI-6	686
10-1442	CAMO-10-9321	METALS	GELC	1/26/2010	MCOI-6	686
10-1458	CAMO-10-9283	GENINORG	GELC	1/27/2010	MCO-5	21
10-1458	CAMO-10-9283	METALS	GELC	1/27/2010	MCO-5	21

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1458	CAMO-10-9284	VOA	GELC	1/27/2010	MCO-5	21
10-1458	CAMO-10-9285	GENINORG	GELC	1/27/2010	MCO-5	21
10-1458	CAMO-10-9285	METALS	GELC	1/27/2010	MCO-5	21
10-1458	CAMO-10-9285	VOA	GELC	1/27/2010	MCO-5	21
10-1458	CAMO-10-9286	VOA	GELC	1/27/2010	MCO-6	27
10-1458	CAMO-10-9287	GENINORG	GELC	1/27/2010	MCO-6	27
10-1458	CAMO-10-9287	METALS	GELC	1/27/2010	MCO-6	27
10-1458	CAMO-10-9288	GENINORG	GELC	1/27/2010	MCO-6	27
10-1458	CAMO-10-9288	METALS	GELC	1/27/2010	MCO-6	27
10-1458	CAMO-10-9288	VOA	GELC	1/27/2010	MCO-6	27
10-1464	CAMO-10-9379	DIOX/FUR <sup>e</sup>	ALTC	1/27/2010	R-45	880
10-1464	CAMO-10-9384	DIOX/FUR	ALTC	1/27/2010	R-45	974.9
10-1464	CAMO-10-9385	DIOX/FUR	ALTC	1/27/2010	R-45	974.9
10-1464	CAMO-10-9387	DIOX/FUR	ALTC	1/27/2010	R-45	974.9
10-1465	CAMO-10-9379	HEXP <sup>f</sup>	STSL	1/27/2010	R-45	880
10-1465	CAMO-10-9384	HEXP	STSL	1/27/2010	R-45	974.9
10-1465	CAMO-10-9385	HEXP	STSL	1/27/2010	R-45	974.9
10-1465	CAMO-10-9387	HEXP	STSL	1/27/2010	R-45	974.9
10-1466	CAMO-10-9377	SVOA	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9377	VOA	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9379	GENINORG	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9379	HEXP	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9379	PEST/PCB <sup>g</sup>	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9379	SVOA	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9379	VOA	GELC	1/27/2010	R-45	880
10-1466	CAMO-10-9384	GENINORG	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9384	HEXP	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9384	PEST/PCB	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9384	SVOA	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9384	VOA	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9385	GENINORG	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9385	HEXP	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9385	PEST/PCB	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9385	SVOA	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9385	VOA	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9387	GENINORG	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9387	HEXP	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9387	PEST/PCB	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9387	SVOA	GELC	1/27/2010	R-45	974.9
10-1466	CAMO-10-9387	VOA	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9378	GENINORG	GELC	1/27/2010	R-45	880

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1467	CAMO-10-9378	METALS	GELC	1/27/2010	R-45	880
10-1467	CAMO-10-9379	GENINORG	GELC	1/27/2010	R-45	880
10-1467	CAMO-10-9379	METALS	GELC	1/27/2010	R-45	880
10-1467	CAMO-10-9383	GENINORG	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9383	METALS	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9384	GENINORG	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9384	METALS	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9385	GENINORG	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9385	METALS	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9386	GENINORG	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9386	METALS	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9387	GENINORG	GELC	1/27/2010	R-45	974.9
10-1467	CAMO-10-9387	METALS	GELC	1/27/2010	R-45	974.9
10-1468	CAMO-10-9379	RAD	GELC	1/27/2010	R-45	880
10-1468	CAMO-10-9384	RAD	GELC	1/27/2010	R-45	974.9
10-1468	CAMO-10-9385	RAD	GELC	1/27/2010	R-45	974.9
10-1468	CAMO-10-9387	RAD	GELC	1/27/2010	R-45	974.9
10-1469	CAMO-10-9732	METALS	GELC	1/27/2010	R-45	974.9
10-1495	CAMO-10-9274	VOA	GELC	1/29/2010	MCO-2	2
10-1495	CAMO-10-9276	VOA	GELC	1/29/2010	MCO-2	2
10-1495	CAMO-10-9278	VOA	GELC	1/29/2010	MCO-2	2
10-1495	CAMO-10-9279	VOA	GELC	1/29/2010	MCO-2	2
10-1495	CAMO-10-9289	VOA	GELC	1/28/2010	MCO-7	39
10-1495	CAMO-10-9290	VOA	GELC	1/28/2010	MCO-7	39
10-1495	CAMO-10-9293	VOA	GELC	1/28/2010	MCO-7.5	35
10-1495	CAMO-10-9294	VOA	GELC	1/28/2010	MCO-7.5	35
10-1495	CAMO-10-9295	VOA	GELC	1/28/2010	MCO-7.5	35
10-1495	CAMO-10-9296	VOA	GELC	1/28/2010	MCO-7.5	35
10-1495	CAMO-10-9361	HEXP	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9361	PEST/PCB	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9361	SVOA	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9361	VOA	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9362	VOA	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9364	SVOA	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9364	VOA	GELC	1/28/2010	R-33	995.5
10-1495	CAMO-10-9366	SVOA	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9366	VOA	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9367	HEXP	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9367	PEST/PCB	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9367	SVOA	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9367	VOA	GELC	1/28/2010	R-33	1112.4

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1495	CAMO-10-9368	VOA	GELC	1/28/2010	R-33	1112.4
10-1495	CAMO-10-9380	VOA	GELC	1/27/2010	R-45	880
10-1495	CAMO-10-9382	VOA	GELC	1/27/2010	R-45	974.9
10-1496	CAMO-10-9275	GENINORG	GELC	1/29/2010	MCO-2	2
10-1496	CAMO-10-9275	METALS	GELC	1/29/2010	MCO-2	2
10-1496	CAMO-10-9277	GENINORG	GELC	1/29/2010	MCO-2	2
10-1496	CAMO-10-9277	METALS	GELC	1/29/2010	MCO-2	2
10-1496	CAMO-10-9291	GENINORG	GELC	1/28/2010	MCO-7	39
10-1496	CAMO-10-9291	METALS	GELC	1/28/2010	MCO-7	39
10-1496	CAMO-10-9292	GENINORG	GELC	1/28/2010	MCO-7.5	35
10-1496	CAMO-10-9292	METALS	GELC	1/28/2010	MCO-7.5	35
10-1496	CAMO-10-9297	GENINORG	GELC	1/28/2010	MCO-7.5	35
10-1496	CAMO-10-9297	METALS	GELC	1/28/2010	MCO-7.5	35
10-1496	CAMO-10-9363	GENINORG	GELC	1/28/2010	R-33	995.5
10-1496	CAMO-10-9363	METALS	GELC	1/28/2010	R-33	995.5
10-1496	CAMO-10-9365	GENINORG	GELC	1/28/2010	R-33	1112.4
10-1496	CAMO-10-9365	METALS	GELC	1/28/2010	R-33	1112.4
10-1497	CAMO-10-9274	GENINORG	GELC	1/29/2010	MCO-2	2
10-1497	CAMO-10-9274	METALS	GELC	1/29/2010	MCO-2	2
10-1497	CAMO-10-9278	GENINORG	GELC	1/29/2010	MCO-2	2
10-1497	CAMO-10-9278	METALS	GELC	1/29/2010	MCO-2	2
10-1497	CAMO-10-9289	GENINORG	GELC	1/28/2010	MCO-7	39
10-1497	CAMO-10-9289	METALS	GELC	1/28/2010	MCO-7	39
10-1497	CAMO-10-9293	GENINORG	GELC	1/28/2010	MCO-7.5	35
10-1497	CAMO-10-9293	METALS	GELC	1/28/2010	MCO-7.5	35
10-1497	CAMO-10-9294	GENINORG	GELC	1/28/2010	MCO-7.5	35
10-1497	CAMO-10-9294	METALS	GELC	1/28/2010	MCO-7.5	35
10-1497	CAMO-10-9361	GENINORG	GELC	1/28/2010	R-33	995.5
10-1497	CAMO-10-9361	METALS	GELC	1/28/2010	R-33	995.5
10-1497	CAMO-10-9361	RAD	GELC	1/28/2010	R-33	995.5
10-1497	CAMO-10-9367	GENINORG	GELC	1/28/2010	R-33	1112.4
10-1497	CAMO-10-9367	METALS	GELC	1/28/2010	R-33	1112.4
10-1497	CAMO-10-9367	RAD	GELC	1/28/2010	R-33	1112.4
10-1498	CAMO-10-9361	DIOX/FUR	ALTC	1/28/2010	R-33	995.5
10-1498	CAMO-10-9367	DIOX/FUR	ALTC	1/28/2010	R-33	1112.4
10-1499	CAMO-10-9361	HEXP	STSL	1/28/2010	R-33	995.5
10-1499	CAMO-10-9367	HEXP	STSL	1/28/2010	R-33	1112.4
10-1589	CAMO-10-9108	DIOX/FUR	ALTC	2/2/2010	E-1FW	—
10-1590	CAMO-10-9108	GENINORG	GELC	2/2/2010	E-1FW	—
10-1590	CAMO-10-9108	SVOA	GELC	2/2/2010	E-1FW	—
10-1590	CAMO-10-9108	VOA	GELC	2/2/2010	E-1FW	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1590	CAMO-10-9110	VOA	GELC	2/2/2010	E-1FW	—
10-1590	CAMO-10-9307	SVOA	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9307	VOA	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	GENINORG	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	HERB <sup>h</sup>	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	HEXP	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	PEST/PCB	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	SVOA	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9308	VOA	GELC	2/2/2010	MCO-3	2
10-1590	CAMO-10-9309	VOA	GELC	2/2/2010	MCO-3	2
10-1591	CAMO-10-9108	GENINORG	GELC	2/2/2010	E-1FW	—
10-1591	CAMO-10-9108	METALS	GELC	2/2/2010	E-1FW	—
10-1591	CAMO-10-9109	GENINORG	GELC	2/2/2010	E-1FW	—
10-1591	CAMO-10-9109	METALS	GELC	2/2/2010	E-1FW	—
10-1591	CAMO-10-9308	GENINORG	GELC	2/2/2010	MCO-3	2
10-1591	CAMO-10-9308	METALS	GELC	2/2/2010	MCO-3	2
10-1591	CAMO-10-9310	GENINORG	GELC	2/2/2010	MCO-3	2
10-1591	CAMO-10-9310	METALS	GELC	2/2/2010	MCO-3	2
10-1592	CAMO-10-9108	RAD	GELC	2/2/2010	E-1FW	—
10-1592	CAMO-10-9308	RAD	GELC	2/2/2010	MCO-3	2
10-1613	CAMO-10-9333	HEXP	STSL	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9326	GENINORG	GELC	2/3/2010	R-28	934.3
10-1614	CAMO-10-9326	VOA	GELC	2/3/2010	R-28	934.3
10-1614	CAMO-10-9327	VOA	GELC	2/3/2010	R-28	934.3
10-1614	CAMO-10-9333	GENINORG	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9333	HEXP	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9333	PEST/PCB	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9333	SVOA	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9333	VOA	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9334	VOA	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9336	SVOA	GELC	2/3/2010	R-14	1200.6
10-1614	CAMO-10-9336	VOA	GELC	2/3/2010	R-14	1200.6
10-1615	CAMO-10-9326	GENINORG	GELC	2/3/2010	R-28	934.3
10-1615	CAMO-10-9326	METALS	GELC	2/3/2010	R-28	934.3
10-1615	CAMO-10-9328	GENINORG	GELC	2/3/2010	R-28	934.3
10-1615	CAMO-10-9328	METALS	GELC	2/3/2010	R-28	934.3
10-1615	CAMO-10-9333	GENINORG	GELC	2/3/2010	R-14	1200.6
10-1615	CAMO-10-9333	METALS	GELC	2/3/2010	R-14	1200.6
10-1615	CAMO-10-9333	RAD	GELC	2/3/2010	R-14	1200.6
10-1615	CAMO-10-9335	GENINORG	GELC	2/3/2010	R-14	1200.6
10-1615	CAMO-10-9335	METALS	GELC	2/3/2010	R-14	1200.6

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1616	CAMO-10-9281	GENINORG	GELC	2/3/2010	MCO-4B	8.9
10-1616	CAMO-10-9281	VOA	GELC	2/3/2010	MCO-4B	8.9
10-1616	CAMO-10-9282	VOA	GELC	2/3/2010	MCO-4B	8.9
10-1616	CAMO-10-9298	GENINORG	GELC	2/3/2010	MT-3	44
10-1616	CAMO-10-9298	SVOA	GELC	2/3/2010	MT-3	44
10-1616	CAMO-10-9298	VOA	GELC	2/3/2010	MT-3	44
10-1616	CAMO-10-9300	VOA	GELC	2/3/2010	MT-3	44
10-1617	CAMO-10-9280	GENINORG	GELC	2/3/2010	MCO-4B	8.9
10-1617	CAMO-10-9280	METALS	GELC	2/3/2010	MCO-4B	8.9
10-1617	CAMO-10-9281	GENINORG	GELC	2/3/2010	MCO-4B	8.9
10-1617	CAMO-10-9281	METALS	GELC	2/3/2010	MCO-4B	8.9
10-1617	CAMO-10-9298	GENINORG	GELC	2/3/2010	MT-3	44
10-1617	CAMO-10-9298	METALS	GELC	2/3/2010	MT-3	44
10-1617	CAMO-10-9298	RAD	GELC	2/3/2010	MT-3	44
10-1617	CAMO-10-9299	GENINORG	GELC	2/3/2010	MT-3	44
10-1617	CAMO-10-9299	METALS	GELC	2/3/2010	MT-3	44
10-1645	CAMO-10-9337	GENINORG	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9337	HEXP	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9337	PEST/PCB	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9337	SVOA	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9337	VOA	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9338	SVOA	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9338	VOA	GELC	2/4/2010	R-16r	600
10-1645	CAMO-10-9339	VOA	GELC	2/4/2010	R-16r	600
10-1646	CAMO-10-9337	GENINORG	GELC	2/4/2010	R-16r	600
10-1646	CAMO-10-9337	METALS	GELC	2/4/2010	R-16r	600
10-1646	CAMO-10-9337	RAD	GELC	2/4/2010	R-16r	600
10-1646	CAMO-10-9340	GENINORG	GELC	2/4/2010	R-16r	600
10-1646	CAMO-10-9340	METALS	GELC	2/4/2010	R-16r	600
10-1653	CAMO-10-9358	HEXP	STSL	2/5/2010	R-46	1340
10-1654	CAMO-10-9358	GENINORG	GELC	2/5/2010	R-46	1340
10-1654	CAMO-10-9358	HEXP	GELC	2/5/2010	R-46	1340
10-1654	CAMO-10-9358	PEST/PCB	GELC	2/5/2010	R-46	1340
10-1654	CAMO-10-9358	SVOA	GELC	2/5/2010	R-46	1340
10-1654	CAMO-10-9358	VOA	GELC	2/5/2010	R-46	1340
10-1654	CAMO-10-9359	VOA	GELC	2/5/2010	R-46	1340
10-1655	CAMO-10-9358	GENINORG	GELC	2/5/2010	R-46	1340
10-1655	CAMO-10-9358	METALS	GELC	2/5/2010	R-46	1340
10-1655	CAMO-10-9358	RAD	GELC	2/5/2010	R-46	1340
10-1655	CAMO-10-9360	GENINORG	GELC	2/5/2010	R-46	1340
10-1655	CAMO-10-9360	METALS	GELC	2/5/2010	R-46	1340

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1660	CAMO-10-9358	DIOX/FUR	ALTC	2/5/2010	R-46	1340
10-1719	CAMO-10-9388	DIOX/FUR	ALTC	2/8/2010	R-16	863.4
10-1720	CAMO-10-9388	HEXP	STSL	2/8/2010	R-16	863.4
10-1721	CAMO-10-12325	DRO <sup>i</sup>	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-12325	GENINORG	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-12325	GRO <sup>j</sup>	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-12325	SVOA	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-12325	VOA	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-12327	VOA	GELC	2/8/2010	R-16	1237
10-1721	CAMO-10-9388	GENINORG	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9388	HEXP	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9388	PEST/PCB	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9388	SVOA	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9388	VOA	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9389	VOA	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9391	SVOA	GELC	2/8/2010	R-16	863.4
10-1721	CAMO-10-9391	VOA	GELC	2/8/2010	R-16	863.4
10-1722	CAMO-10-12326	GENINORG	GELC	2/8/2010	R-16	1237
10-1722	CAMO-10-9388	GENINORG	GELC	2/8/2010	R-16	863.4
10-1722	CAMO-10-9388	METALS	GELC	2/8/2010	R-16	863.4
10-1722	CAMO-10-9388	RAD	GELC	2/8/2010	R-16	863.4
10-1722	CAMO-10-9390	GENINORG	GELC	2/8/2010	R-16	863.4
10-1722	CAMO-10-9390	METALS	GELC	2/8/2010	R-16	863.4
10-1799	CAMO-10-10133	DIOX/FUR	ALTC	2/10/2010	R-44	985.3
10-1799	CAMO-10-9370	DIOX/FUR	ALTC	2/10/2010	R-44	895
10-1799	CAMO-10-9373	DIOX/FUR	ALTC	2/10/2010	R-44	985.3
10-1800	CAMO-10-9370	HEXP	STSL	2/10/2010	R-44	895
10-1800	CAMO-10-9373	HEXP	STSL	2/10/2010	R-44	985.3
10-1801	CAMO-10-10133	PEST/PCB	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-10133	VOA	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-9369	VOA	GELC	2/10/2010	R-44	895
10-1801	CAMO-10-9370	GENINORG	GELC	2/10/2010	R-44	895
10-1801	CAMO-10-9370	PEST/PCB	GELC	2/10/2010	R-44	895
10-1801	CAMO-10-9370	VOA	GELC	2/10/2010	R-44	895
10-1801	CAMO-10-9371	VOA	GELC	2/10/2010	R-44	895
10-1801	CAMO-10-9373	GENINORG	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-9373	PEST/PCB	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-9373	VOA	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-9375	VOA	GELC	2/10/2010	R-44	985.3
10-1801	CAMO-10-9376	VOA	GELC	2/10/2010	R-44	985.3
10-1802	CAMO-10-9370	GENINORG	GELC	2/10/2010	R-44	895

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1802	CAMO-10-9370	METALS	GELC	2/10/2010	R-44	895
10-1802	CAMO-10-9370	RAD	GELC	2/10/2010	R-44	895
10-1802	CAMO-10-9372	GENINORG	GELC	2/10/2010	R-44	895
10-1802	CAMO-10-9372	METALS	GELC	2/10/2010	R-44	895
10-1802	CAMO-10-9373	GENINORG	GELC	2/10/2010	R-44	985.3
10-1802	CAMO-10-9373	METALS	GELC	2/10/2010	R-44	985.3
10-1802	CAMO-10-9373	RAD	GELC	2/10/2010	R-44	985.3
10-1802	CAMO-10-9374	GENINORG	GELC	2/10/2010	R-44	985.3
10-1802	CAMO-10-9374	METALS	GELC	2/10/2010	R-44	985.3
10-1804	CAMO-10-9357	HEXP	STSL	2/10/2010	R-42	931.8
10-1805	CAMO-10-9357	DIOX/FUR	ALTC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9356	VOA	GELC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9357	GENINORG	GELC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9357	HEXP	GELC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9357	PEST/PCB	GELC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9357	SVOA	GELC	2/10/2010	R-42	931.8
10-1806	CAMO-10-9357	VOA	GELC	2/10/2010	R-42	931.8
10-1807	CAMO-10-9355	GENINORG	GELC	2/10/2010	R-42	931.8
10-1807	CAMO-10-9355	METALS	GELC	2/10/2010	R-42	931.8
10-1807	CAMO-10-9357	GENINORG	GELC	2/10/2010	R-42	931.8
10-1807	CAMO-10-9357	METALS	GELC	2/10/2010	R-42	931.8
10-1807	CAMO-10-9357	RAD	GELC	2/10/2010	R-42	931.8
10-1816	CAMO-10-9329	GENINORG	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9329	HEXP	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9329	PEST/PCB	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9329	SVOA	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9329	VOA	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9331	VOA	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9332	SVOA	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9332	VOA	GELC	2/11/2010	R-1	1031.1
10-1816	CAMO-10-9343	GENINORG	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9343	HEXP	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9343	PEST/PCB	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9343	SVOA	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9343	VOA	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9344	VOA	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9346	GENINORG	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9346	SVOA	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9346	VOA	GELC	2/11/2010	R-13	958.3
10-1816	CAMO-10-9347	VOA	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9329	GENINORG	GELC	2/11/2010	R-1	1031.1



Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1817	CAMO-10-9329	METALS	GELC	2/11/2010	R-1	1031.1
10-1817	CAMO-10-9329	RAD	GELC	2/11/2010	R-1	1031.1
10-1817	CAMO-10-9330	GENINORG	GELC	2/11/2010	R-1	1031.1
10-1817	CAMO-10-9330	METALS	GELC	2/11/2010	R-1	1031.1
10-1817	CAMO-10-9341	GENINORG	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9341	METALS	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9343	GENINORG	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9343	METALS	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9343	RAD	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9345	GENINORG	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9345	METALS	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9346	GENINORG	GELC	2/11/2010	R-13	958.3
10-1817	CAMO-10-9346	METALS	GELC	2/11/2010	R-13	958.3
10-1823	CAMO-10-9323	GENINORG	GELC	2/11/2010	R-15	958.6
10-1823	CAMO-10-9323	METALS	GELC	2/11/2010	R-15	958.6
10-1823	CAMO-10-9324	GENINORG	GELC	2/11/2010	R-15	958.6
10-1823	CAMO-10-9324	METALS	GELC	2/11/2010	R-15	958.6
10-1823	CAMO-10-9324	VOA	GELC	2/11/2010	R-15	958.6
10-1823	CAMO-10-9325	VOA	GELC	2/11/2010	R-15	958.6
10-1971	CAMO-10-9728	METALS	GELC	2/10/2010	R-42	931.8

<sup>a</sup> VOA = Volatile organic analysis.

<sup>b</sup> GENINORG = General inorganics.

<sup>c</sup> RAD = Radionuclides.

<sup>d</sup> SVOA = Semivolatile organic analysis.

<sup>e</sup> DIOX/FUR = Dioxins and furans.

<sup>f</sup> HEXP = High explosives.

<sup>g</sup> PEST/PCB = Pesticides/polychlorinated biphenyls.

<sup>h</sup> HERB = Herbicides.

<sup>i</sup> DRO = Diesel-range organics.

<sup>j</sup> GRO = Gasoline-range organics.

**F-2 SANDIA WATERSHED**

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1415	CASA-10-9421	VOA <sup>a</sup>	GELC	1/25/2010	SCA-1-DP	2.16
10-1415	CASA-10-9422	GENINORG <sup>b</sup>	GELC	1/25/2010	SCA-1-DP	2.16
10-1415	CASA-10-9422	METALS	GELC	1/25/2010	SCA-1-DP	2.16
10-1415	CASA-10-9423	GENINORG	GELC	1/25/2010	SCA-1-DP	2.16
10-1415	CASA-10-9423	METALS	GELC	1/25/2010	SCA-1-DP	2.16
10-1415	CASA-10-9423	VOA	GELC	1/25/2010	SCA-1-DP	2.16
10-1501	CASA-10-9412	PEST/PCB <sup>c</sup>	GELC	1/29/2010	Sandia below Wetlands	—
10-1501	CASA-10-9412	VOA	GELC	1/29/2010	Sandia below Wetlands	—
10-1501	CASA-10-9413	VOA	GELC	1/29/2010	Sandia below Wetlands	—
10-1501	CASA-10-9459	HEXP <sup>d</sup>	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9459	PEST/PCB	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9459	SVOA <sup>e</sup>	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9459	VOA	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9460	VOA	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9462	SVOA	GELC	1/29/2010	R-11	855
10-1501	CASA-10-9462	VOA	GELC	1/29/2010	R-11	855
10-1502	CASA-10-9411	GENINORG	GELC	1/29/2010	Sandia below Wetlands	—
10-1502	CASA-10-9411	METALS	GELC	1/29/2010	Sandia below Wetlands	—
10-1502	CASA-10-9412	GENINORG	GELC	1/29/2010	Sandia below Wetlands	—
10-1502	CASA-10-9412	METALS	GELC	1/29/2010	Sandia below Wetlands	—
10-1502	CASA-10-9459	GENINORG	GELC	1/29/2010	R-11	855
10-1502	CASA-10-9459	METALS	GELC	1/29/2010	R-11	855
10-1502	CASA-10-9459	RAD <sup>f</sup>	GELC	1/29/2010	R-11	855
10-1502	CASA-10-9461	GENINORG	GELC	1/29/2010	R-11	855
10-1502	CASA-10-9461	METALS	GELC	1/29/2010	R-11	855
10-1538	CASA-10-9111	GENINORG	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9111	METALS	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9111	PEST/PCB	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9111	VOA	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9112	GENINORG	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9112	METALS	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9113	VOA	GELC	2/1/2010	Sandia right fork at Power Plant	—
10-1538	CASA-10-9405	GENINORG	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9405	METALS	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9406	GENINORG	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9406	METALS	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9406	PEST/PCB	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1538	CASA-10-9406	VOA	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9407	VOA	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9408	PEST/PCB	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9408	VOA	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9409	GENINORG	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9409	METALS	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9410	GENINORG	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9410	METALS	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9410	PEST/PCB	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1538	CASA-10-9410	VOA	GELC	2/1/2010	South Fork of Sandia Canyon at E122	—
10-1594	CASA-10-9484	DIOX/FUR <sup>9</sup>	ALTC	2/2/2010	R-43	903.9
10-1594	CASA-10-9486	DIOX/FUR	ALTC	2/2/2010	R-43	969.1
10-1595	CASA-10-9484	HEXP	STSL	2/2/2010	R-43	903.9
10-1595	CASA-10-9486	HEXP	STSL	2/2/2010	R-43	969.1
10-1596	CASA-10-9482	VOA	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9483	SVOA	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9483	VOA	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9484	GENINORG	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9484	HEXP	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9484	PEST/PCB	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9484	SVOA	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9484	VOA	GELC	2/2/2010	R-43	903.9
10-1596	CASA-10-9485	SVOA	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9485	VOA	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9486	GENINORG	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9486	HEXP	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9486	PEST/PCB	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9486	SVOA	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9486	VOA	GELC	2/2/2010	R-43	969.1
10-1596	CASA-10-9487	VOA	GELC	2/2/2010	R-43	969.1
10-1597	CASA-10-9481	GENINORG	GELC	2/2/2010	R-43	903.9
10-1597	CASA-10-9481	METALS	GELC	2/2/2010	R-43	903.9
10-1597	CASA-10-9484	GENINORG	GELC	2/2/2010	R-43	903.9
10-1597	CASA-10-9484	METALS	GELC	2/2/2010	R-43	903.9
10-1597	CASA-10-9486	GENINORG	GELC	2/2/2010	R-43	969.1
10-1597	CASA-10-9486	METALS	GELC	2/2/2010	R-43	969.1
10-1597	CASA-10-9488	GENINORG	GELC	2/2/2010	R-43	969.1
10-1597	CASA-10-9488	METALS	GELC	2/2/2010	R-43	969.1
10-1598	CASA-10-9484	RAD	GELC	2/2/2010	R-43	903.9

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1598	CASA-10-9486	RAD	GELC	2/2/2010	R-43	969.1
10-1600	CASA-10-9838	METALS	GELC	2/2/2010	R-43	903.9
10-1642	CASA-10-9493	HEXP	STSL	2/4/2010	R-36	766.9
10-1643	CASA-10-9492	VOA	GELC	2/4/2010	R-36	766.9
10-1643	CASA-10-9493	GENINORG	GELC	2/4/2010	R-36	766.9
10-1643	CASA-10-9493	HEXP	GELC	2/4/2010	R-36	766.9
10-1643	CASA-10-9493	PEST/PCB	GELC	2/4/2010	R-36	766.9
10-1643	CASA-10-9493	SVOA	GELC	2/4/2010	R-36	766.9
10-1643	CASA-10-9493	VOA	GELC	2/4/2010	R-36	766.9
10-1644	CASA-10-9493	GENINORG	GELC	2/4/2010	R-36	766.9
10-1644	CASA-10-9493	METALS	GELC	2/4/2010	R-36	766.9
10-1644	CASA-10-9493	RAD	GELC	2/4/2010	R-36	766.9
10-1644	CASA-10-9494	GENINORG	GELC	2/4/2010	R-36	766.9
10-1644	CASA-10-9494	METALS	GELC	2/4/2010	R-36	766.9
10-1657	CASA-10-9493	DIOX/FUR	ALTC	2/4/2010	R-36	766.9
10-1678	CASA-10-9451	VOA	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9452	GENINORG	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9452	HEXP	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9452	PEST/PCB	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9452	SVOA	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9452	VOA	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9453	SVOA	GELC	2/5/2010	SCI-1	358.4
10-1678	CASA-10-9453	VOA	GELC	2/5/2010	SCI-1	358.4
10-1679	CASA-10-9452	GENINORG	GELC	2/5/2010	SCI-1	358.4
10-1679	CASA-10-9452	METALS	GELC	2/5/2010	SCI-1	358.4
10-1679	CASA-10-9452	RAD	GELC	2/5/2010	SCI-1	358.4
10-1679	CASA-10-9454	GENINORG	GELC	2/5/2010	SCI-1	358.4
10-1679	CASA-10-9454	METALS	GELC	2/5/2010	SCI-1	358.4
10-1692	CASA-10-9489	DIOX/FUR	ALTC	2/8/2010	SCI-2	548
10-1693	CASA-10-9489	HEXP	STSL	2/8/2010	SCI-2	548
10-1694	CASA-10-9489	GENINORG	GELC	2/8/2010	SCI-2	548
10-1694	CASA-10-9489	HEXP	GELC	2/8/2010	SCI-2	548
10-1694	CASA-10-9489	PEST/PCB	GELC	2/8/2010	SCI-2	548
10-1694	CASA-10-9489	SVOA	GELC	2/8/2010	SCI-2	548
10-1694	CASA-10-9489	VOA	GELC	2/8/2010	SCI-2	548
10-1694	CASA-10-9491	VOA	GELC	2/8/2010	SCI-2	548
10-1696	CASA-10-9489	GENINORG	GELC	2/8/2010	SCI-2	548
10-1696	CASA-10-9489	METALS	GELC	2/8/2010	SCI-2	548
10-1696	CASA-10-9489	RAD	GELC	2/8/2010	SCI-2	548

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1696	CASA-10-9490	GENINORG	GELC	2/8/2010	SCI-2	548
10-1696	CASA-10-9490	METALS	GELC	2/8/2010	SCI-2	548
10-1772	CASA-10-9446	HEXP	STSL	2/9/2010	R-12	459
10-1772	CASA-10-9447	HEXP	STSL	2/9/2010	R-12	504.5
10-1773	CASA-10-9444	SVOA	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9445	VOA	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9446	GENINORG	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9446	HEXP	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9446	PEST/PCB	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9446	SVOA	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9446	VOA	GELC	2/9/2010	R-12	459
10-1773	CASA-10-9447	GENINORG	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9447	HEXP	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9447	PEST/PCB	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9447	SVOA	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9447	VOA	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9449	VOA	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9450	SVOA	GELC	2/9/2010	R-12	504.5
10-1773	CASA-10-9450	VOA	GELC	2/9/2010	R-12	504.5
10-1824	CASA-10-9464	HEXP	STSL	2/11/2010	R-35a	1013.1
10-1824	CASA-10-9469	HEXP	STSL	2/11/2010	R-35b	825.4
10-1825	CASA-10-9463	SVOA	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9463	VOA	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9464	GENINORG	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9464	HEXP	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9464	PEST/PCB	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9464	SVOA	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9464	VOA	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9466	VOA	GELC	2/11/2010	R-35a	1013.1
10-1825	CASA-10-9468	VOA	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9469	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9469	HEXP	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9469	PEST/PCB	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9469	SVOA	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9469	VOA	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9470	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9470	SVOA	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9470	VOA	GELC	2/11/2010	R-35b	825.4
10-1825	CASA-10-9472	VOA	GELC	2/11/2010	R-35b	825.4

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-1826	CASA-10-9464	GENINORG	GELC	2/11/2010	R-35a	1013.1
10-1826	CASA-10-9464	METALS	GELC	2/11/2010	R-35a	1013.1
10-1826	CASA-10-9464	RAD	GELC	2/11/2010	R-35a	1013.1
10-1826	CASA-10-9465	GENINORG	GELC	2/11/2010	R-35a	1013.1
10-1826	CASA-10-9465	METALS	GELC	2/11/2010	R-35a	1013.1
10-1826	CASA-10-9467	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9467	METALS	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9469	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9469	METALS	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9469	RAD	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9470	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9470	METALS	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9471	GENINORG	GELC	2/11/2010	R-35b	825.4
10-1826	CASA-10-9471	METALS	GELC	2/11/2010	R-35b	825.4
10-1948	CASA-10-12689	METALS	GELC	2/8/2010	SCI-2	548
10-1948	CASA-10-9837	METALS	GELC	2/11/2010	R-35a	1013.1

<sup>a</sup> VOA = Volatile organic analysis.

<sup>b</sup> GENINORG = General inorganics.

<sup>c</sup> PEST/PCB = Pesticides/polychlorinated biphenyls.

<sup>d</sup> HEXP = High explosives.

<sup>e</sup> SVOA = Semivolatile organic analysis.

<sup>f</sup> RAD = Radionuclides.

<sup>g</sup> DIOX/FUR = Dioxins and furans.